Dell™ 1350cnw Color Printer
User's Guide

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Dell™ 1130n Mono Laser Printer
User's Guide

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Before Beginning

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Notes, Notices, and Cautions

NOTE: A **NOTE** indicates important information that helps you make better use of your printer.

NOTICE: A **NOTICE** indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

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The printer software uses some of the codes defined by the Independent JPEG Group.

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1

Dell™ 1350cnw Color Printer User's Guide

Click the links to the left for information on the features, options, and operation of your printer. For information on other documentation included with your printer, see "Finding Information" on page 19.

To order replacement toner cartridges or supplies from Dell:

1. Double-click the icon on your desktop.

   If you cannot find the icon on your desktop, follow the procedure below.

   a. Navigate to **x:\abc\Dell Printers\Additional Color Software\Reorder**, where **x:\abc** is the location where the printer software is installed.

   b. Click the file **DLRMM.EXE**.

   c. Click **File** on the toolbar.

   d. Choose **Send To** from the drop-down menu, and then click **Desktop(create shortcut)** on the submenu that appears.

2. Visit the Dell Printer Supplies website at **www.dell.com/supplies**, or order Dell printer supplies by phone.

   For best service, have your Dell printer Service Tag ready.

   To locate the Service Tag of your printer, see "Express Service Code and Service Tag" on page 21.

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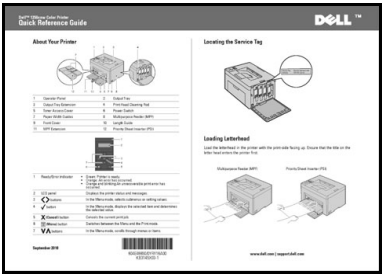
2

Finding Information

NOTE: The USB cable and the Ethernet cable are not shipped with your printer.

What are you looking for?	Find it here
• Drivers for my printer • My *User's Guide*	*Drivers and Utilities* CD The *Drivers and Utilities* CD contains setup video, documentation, and drivers for your printer. You can use the CD to install/re-install drivers or access your setup video and documentation. Readme files may be included on your CD to provide last-minute updates about technical changes to your printer or advanced technical reference material for experienced users or technicians.
• How to use my printer	*Quick Reference Guide* 

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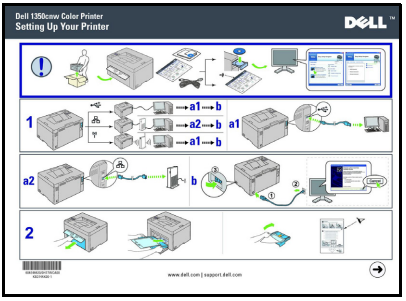
What are you looking for?	Find it here
• Safety information • Warranty information	*Product Information Guide* **CAUTION: Read and follow all safety instructions in your *Product Information Guide* prior to setting up and operating your printer.**
How to set up my printer	*Setup diagram* 
Troubleshooting	"Troubleshooting" on page 287

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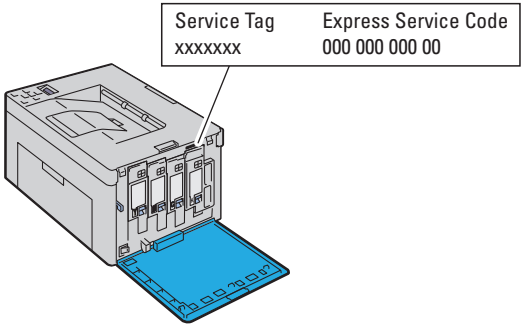
What are you looking for?	Find it here
Express Service Code and Service Tag	 The Express Service Code and Service Tag are located inside the side door of your printer.
• Latest drivers for my printer • Answers to technical service and support questions • Documentation for my printer	Go to **support.dell.com** **support.dell.com** provides several online tools, including: • Solutions — Troubleshooting hints and tips, articles from technicians, and online courses • Upgrades — Upgrade information for components, such as printer driver • Customer Care — Contact information, order status, warranty, and repair information • Downloads — Drivers • Manuals — Printer documentation and product specifications Go to **support.dell.com**. Select your region, and fill in the requested details to access help tools and information.

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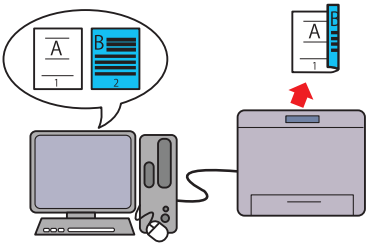
3

Product Features

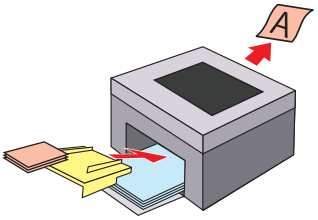
This chapter describes the product features and indicates their links.

2-Sided (Manual Duplex Print)



Manual Duplex Print is to print two or more pages on the front and back side of a single sheet of paper manually. This feature allows you to reduce the paper consumption.
For more information, see "Manual Duplex Printing (Windows Printer Driver Only)" on page 179.

Priority Sheet Inserter (PSI)



Print media loaded on the PSI are given precedence over those loaded on the Multipurpose Feeder (MPF). Using the PSI allows you to use other types or sizes of print media preferentially over the regular print media loaded on the MPF.
For more information, see "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 173.

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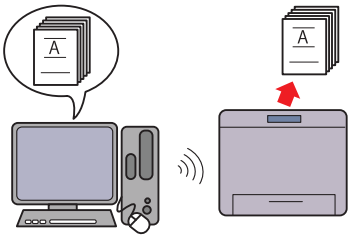
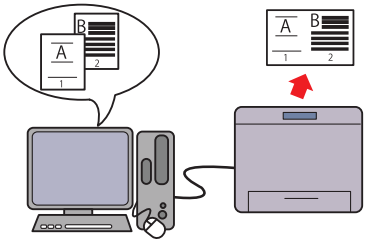
Printing through Wireless Connection (Wireless Print)



The Wireless LAN feature on your printer allows you to install the printer at any location, and enables printing without a wired connection to your computer.
For more information, see "Configuring Wireless Settings" on page 69.

Multiple Up in the Layout tab (N-up Print)



N-up Print enables you to print multiple pages on a single sheet of paper. This feature allows you to reduce the paper consumption.
For more information, see the printer driver's help.

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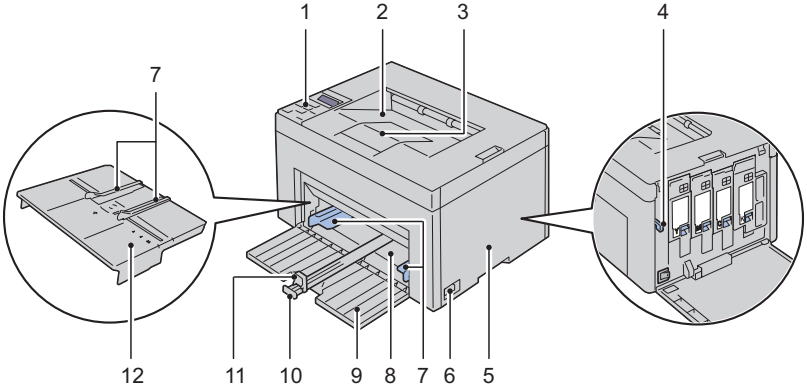
4

About the Printer

This chapter provides an overview of your Dell™ 1350cnw Color Printer.

Front View



1	Operator Panel	2	Output Tray
3	Output Tray Extension	4	Print Head Cleaning Rod
5	Toner Access Cover	6	Power Switch
7	Paper Width Guides	8	Multipurpose Feeder (MPF)
9	Front Cover	10	Length Guide
11	MPF Extension	12	Priority Sheet Inserter (PSI)

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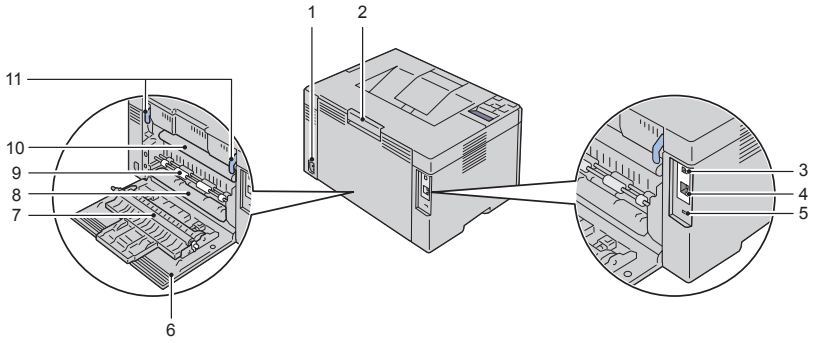
Rear View



1	Wall Jack Connector	2	Rear Cover Release Handle
3	USB Port	4	Ethernet Port
5	Security Slot	6	Rear Cover
7	Transfer Roller	8	Paper Chute
9	Paper Feed Roller	10	Transfer Belt
11	Fuser Release Lever		

Space Requirements

Place the printer at a location such that there is adequate space for using the printer feeder and covers.

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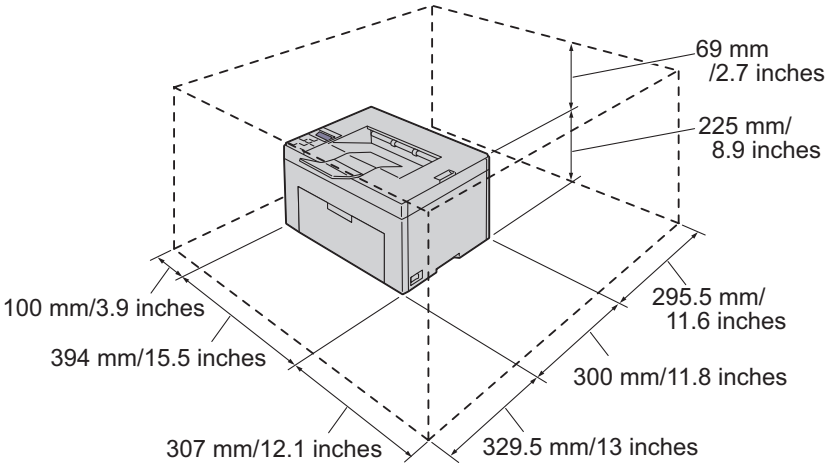
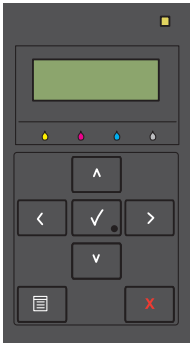


To avoid irregular screen image or malfunctioning of your printer, avoid placing the printer in direct sunlight with the front cover opened.

Operator Panel



For more information on the operator panel, see "Operator Panel" on page 183.

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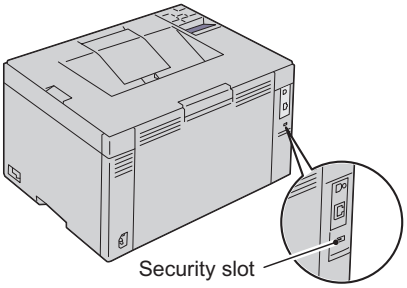
Securing the Printer

To protect your printer from theft, you can use the optional Kensington lock.

Attach the Kensington lock to the security slot on your printer.



For details, see the operating instructions supplied with the Kensington lock.

Ordering Supplies

You can order consumables from Dell on the Internet when using a networked printer. Enter the IP address of your printer in your web browser, launch the **Dell Printer Configuration Web Tool**, and click the **Order Supplies at**: to order toner for your printer.

You can also order toner cartridges by the following method:

1. Click **Start** → **All Programs** → **Dell Printers** → **Additional Color Laser Software** → **Dell Supplies Management System**.

   The **Dell Supplies Management System** window appears.

2. Select your printer from the **Select Printer Model** list.
3. If ordering from the web:
   a. Select a web address from the **Select Reorder URL** list.
   b. Click the **Visit Dell Printer supplies ordering web site**.

      The **Dell 1350cnw Color Printer - Dell Supplies Management System** screen appears.

   c. Enter the Service Tag, and then click **OK**.

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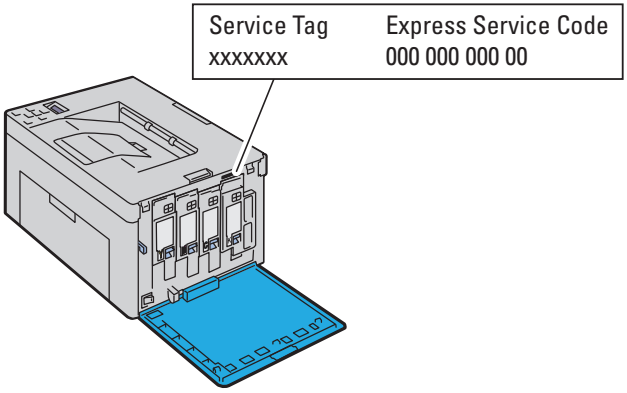
The Service Tag is located inside the toner access cover of your printer.

Dell supplies web site appears.



If you order by phone, call the number that appears in the **Order by Phone** section.

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Setting Up Printer (Printer Setup)

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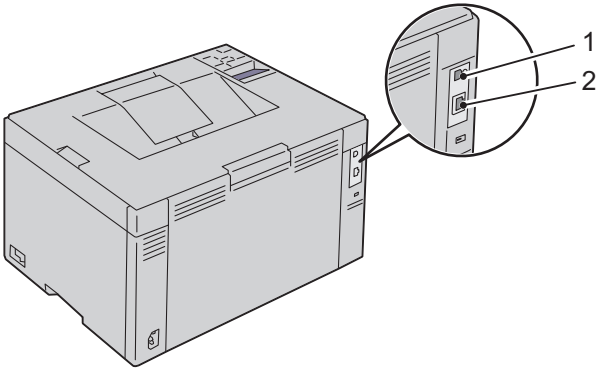
5

Connecting Your Printer

Your Dell™ 1350cnw Color Printer interconnection cable must meet the following requirements:

Connection type	Connection specifications
USB	USB 2.0 compatible
Wireless	IEEE 802.11b/802.11g/802.11n
Ethernet	10 Base-T/100 Base-TX compatible



1 USB Port	
2 Ethernet Port	

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Connecting Printer to Computer or Network

Direct Connection

A local printer is a printer attached to your computer using the USB cable. If your printer is attached to a network instead of your computer, skip this section and go to "Network Connection" on page 35.

USB Cable

The following operating systems support USB connection:

- Microsoft® Windows® XP
- Microsoft Windows XP 64-bit Edition
- Windows Server® 2003
- Windows Server 2003 x64 Edition
- Windows Server 2008
- Windows Server 2008 64-bit Edition
- Windows Server 2008 R2
- Windows Vista®
- Windows Vista 64-bit Edition
- Windows 7
- Windows 7 64-bit Edition
- Mac OS® X 10.3.9/10.4.11/10.5/10.6

To attach the printer to a computer:

1. Ensure that the printer, computer, and any other attached devices are turned off and unplugged from the power source/outlet.
2. Connect the smaller USB connector into the USB port at the back of the printer.

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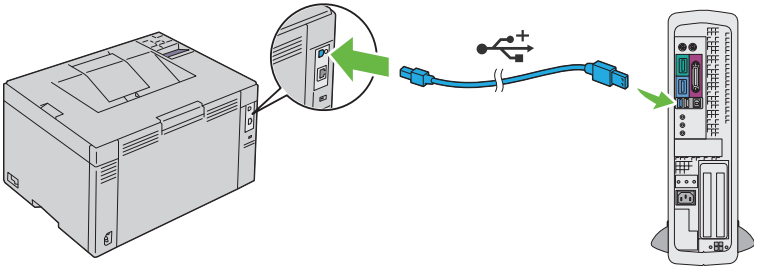


3 Connect the other end of the cable into a USB port of the computer.

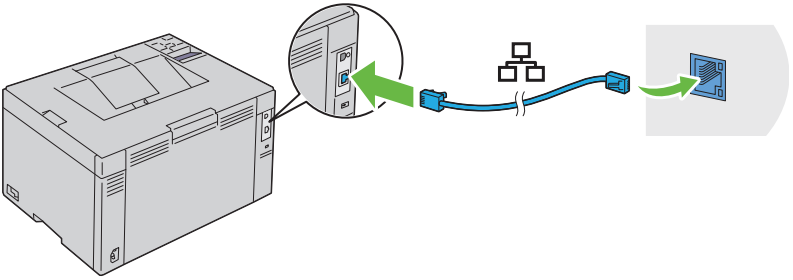
NOTICE: Do not connect the printer USB cable to the USB port available on the keyboard.

Network Connection

To connect the printer to a network:

1 Ensure that the printer, computer and any other connected devices have been turned off and all cables have been disconnected.

2 Connect the Ethernet cable.



NOTE: Connect the Ethernet cable, only if you need to setup a wired connection.

To connect the printer to the network, connect one end of an Ethernet cable into the Ethernet port on the back of the printer, and the other end to a LAN port or LAN hub.

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To setup a wireless connection, see "Configuring Wireless Settings" on page 69.

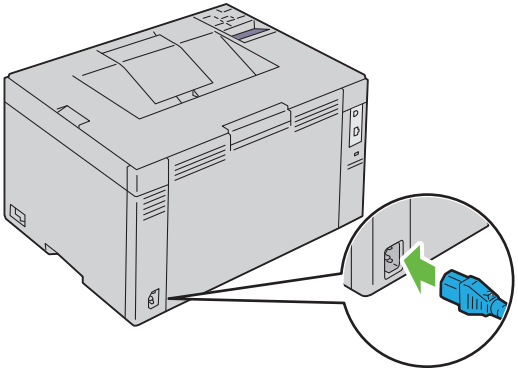
NOTE: When you use the USB connection and do not use the wireless connection, you need to disable the wireless LAN on the operator panel.
For more information, see "Network" on page 216.

Turning On the Printer

CAUTION: Do not use extension cords or power strips.

CAUTION: The printer should not be connected to a UPS system.

1 Connect the power cable to the wall jack connector on the back of your printer (see "Rear View" on page 26).



2 Connect the other end of the cable to the power source.

3 Turn on the printer.

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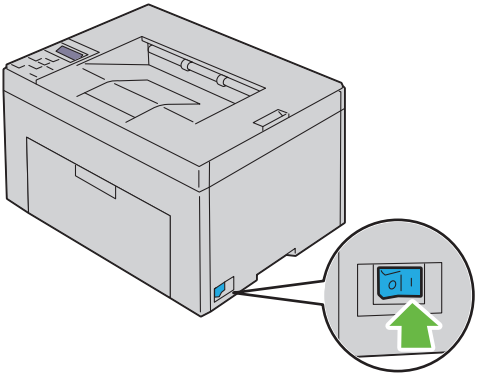

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6

Setting the IP Address

Assigning an IP Address (for IPv4 mode)

NOTE: When you assign an IP address manually in **IPv6 mode**, use **the Dell Printer Configuration Web Tool**. To open the **Dell Printer Configuration Web Tool**, use the link local address. To check a link local address, see "Printing and Checking the Printer Settings Page" on page 42.

An IP address is a unique number that consists of four sections that are delimited by a period and can include up to three digits in each section, for example, `111.222.33.44`.

Assigning an IP address that is already in use can cause network performance issues.

NOTE: Assigning an IP address is considered as an advanced function and is normally done by a system administrator.

NOTE: Depending on the address class, the range of the IP address assigned may be different. On Class A, for example, an IP address in the range from 0.0.0.0 to 127.255.255.255 will be assigned. For assignment of IP addresses, contact your system administrator.

You can assign the IP address by using the operator panel or using the tool box.

The Operator Panel

For more information on using your operator panel, see "Operator Panel" on page 183.

1. Turn on the printer.

   The `Ready to Print` message appears on the LCD panel.

2. Press the (**Menu**) button.
3. Press the ∨ button until `Admin Menu` appears, and then press the ✓ button.
4. Ensure that `Network` appears, and then press the ✓ button.

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5. Press the ∨ button until `TCP/IP` appears, and then press the ✓ button.
6. Press the ∨ button until `IPv4` appears, and then press the ✓ button.
7. Ensure that `Get IP Address` appears, and then press the ✓ button.
8. Ensure that `Panel` appears, and then press the ✓ button.
9. Press the < button and ensure that `Get IP Address` appears.
10. Press the ∨ button until `IP Address` appears, and then press the ✓ button.
    The cursor is located at the first digit of the IP address.
11. Press the ∧ or ∨ button to enter the numbers for the IP address.
12. Press the > button.
    The next digit is selected.
13. Repeat step 11 and step 12 to enter all the digits in the IP address, and then press the ✓ button.
14. Press the < button and ensure that `IP Address` appears.
15. Press the ∨ button until `Subnet Mask` appears, and then press the ✓ button.
    The cursor is located at the first digit of the subnet mask.
16. Press the ∧ or the ∨ button to enter the numbers for the subnet mask.
17. Press the > button.
    The next digit is selected.
18. Repeat step 16 and step 17 and set subnet mask, and then press the ✓ button.
19. Press the < button and ensure that `Subnet Mask` appears.
20. Press the ∨ button until `Gateway Address` appears, and then press the ✓ button.
    The cursor is located at the first digit of the gateway address.
21. Press the ∧ or ∨ button to enter the numbers for the gateway address.
22. Press the > button.
    The next digit is selected.
23. Repeat step 21 and step 22 to set gateway address, and then press the ✓ button.

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24 Turn off and turn on the printer.

The Tool Box

NOTE:

NOTE: When you use IPv6 Mode for network printing, the Tool Box cannot be used to assign an IP address.

1 Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

NOTE: The **Select Printer** dialog box opens in this step, when multiple printer drivers are installed on your computer. In this case, click the name of **Dell 1350cnw Color Printer** listed in **Printer Name**, and then click **OK**.

The **Tool Box** opens.

2 Click the **Printer Maintenance** tab.

3 Select **TCP/IP Settings** from the list at the left side of the page.

The **TCP/IP Settings** page is displayed.

4 Select the mode from **IP Address Mode**, and then enter the values in IP Address, Subnet Mask, and Gateway Address.

5 Press the **Apply New Settings** button to take effect.

The IP address is assigned to your printer. To verify the setting, open the web browser on any computer connected to the network and enter the IP address into the address bar on the browser. If the IP address is set up correctly, the **Dell Printer Configuration Web Tool** displays in your browser.

You can also assign the IP address to the printer when installing the printer drivers with installer. When you use the **Network Installation** feature, and the `Get IP Address` is set to `AutoIP` on the operator panel menu, you can set the IP address from `0.0.0.0` to the desired IP address on the printer selection window.

Verifying the IP Settings

1 Print the printer settings page.

See "Printing and Checking the Printer Settings Page" on page 42.

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2 Look under the **TCP/IP** heading on the printer settings page to ensure that the IP address, subnet mask, and gateway are appropriate.

To verify if the printer is active on the network, run the ping command in your computer:

1 Go to MS DOS Prompt.

2 Type `cmd`, and then press the OK.

3 On the black window that appears, type ping `xx.xx.xx.xx` (where `xx.xx.xx.xx` is the IP address of your printer).

4 Reply from the IP address denotes printer is active on the network.

Printing and Checking the Printer Settings Page

Print the printer settings page and check the IP address of your printer.

The Operator Panel

1 Press the (**Menu**) button.

2 Ensure that `Report/List` appears, and then press the ✓ button.

3 Ensure that `Printer Setting` appears, and then press the ✓ button.

The printer settings page is printed.

4 Confirm the IP address next to **IP Address** under **Network** on the printer settings page. If the IP address shows anything other than `0.0.0.0` (the factory default) or `169.254.xx.xx`, the printer has an IP address assigned and stored. Go to "Verifying the IP Settings" on page 41.

The Tool Box

NOTE:

1 Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

NOTE: The **Select Printer** window appears in this step, when multiple printer drivers are installed on your computer. In this case, click the name of **Dell 1350cnw Color Printer** listed in **Printer Name**, and then click **OK**.

The **Tool Box** opens.

2 Click the **Printer Settings Report** tab.

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3 Select **Reports** from the list at the left side of the page.

The **Reports** page is displayed.

4 Click the **Printer Settings** button.

The printer settings page is printed.

If the IP address is `0.0.0.0` (the factory default) or `169.254.xx.xx`, an IP address has not been assigned. To assign an IP address for your printer, see "Assigning an IP Address (for IPv4 mode)" on page 39.

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7

Loading Paper

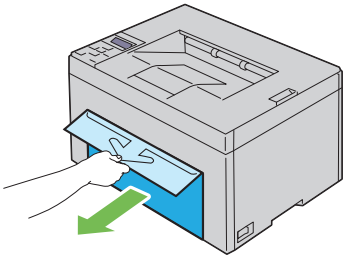
NOTE: To avoid paper jams, do not remove the priority sheet inserter while a printing is in progress.

NOTE: Use only laser print media. Do not use ink jet paper in your printer.

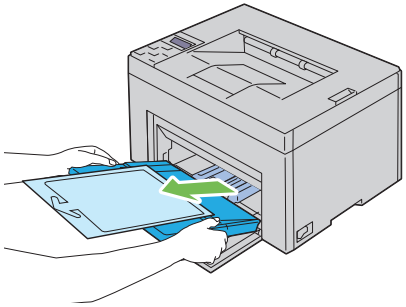
NOTE: For printing envelopes, see "Loading Print Media" on page 165.

Loading Print Media in the Multipurpose Feeder (MPF)

1 Open the front cover by pulling out the instruction sheet.



2 Pull the priority sheet inserter (PSI) out.



3 Remove the instruction sheet attached to the PSI with adhesive tape.

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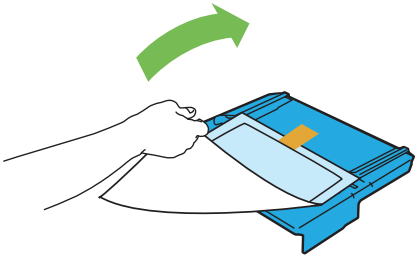
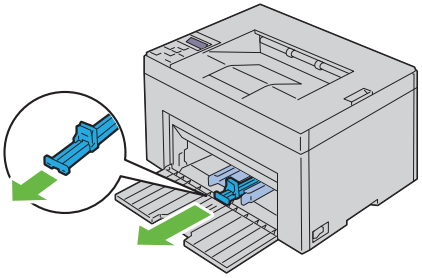
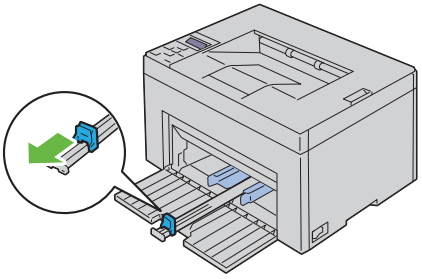


NOTE: Before you use the PSI, ensure that you to read the instruction sheet.

4 Pull the length guide forward until it stops.



5 Pull the MPF extension forward until it stops.



6 Adjust the paper width guides to their maximum width.

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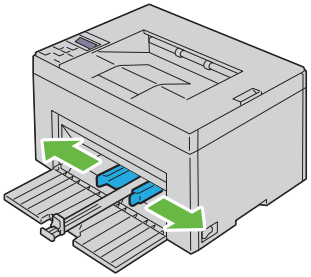
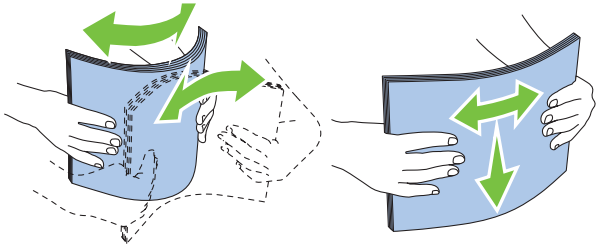
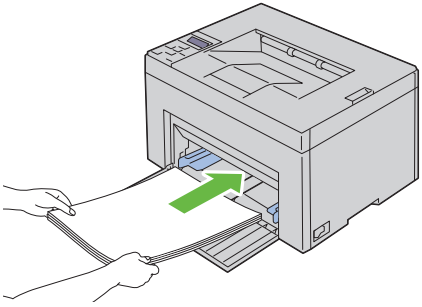


7 Before loading the print media, flex the sheets back and forth, and then fan them. Straighten the edges of the stack on a level surface.



8 Load print media on the MPF with the top edge first and with the recommended print side facing up.



9 Adjust the width guides until they rest lightly against the edges of the stack of print media.

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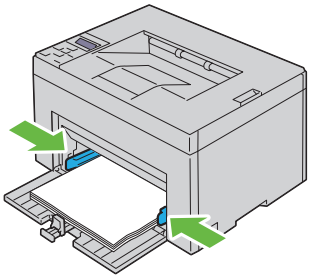
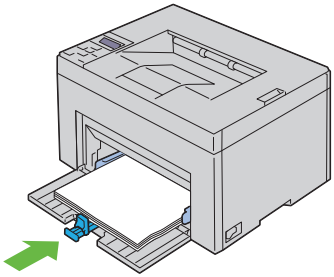
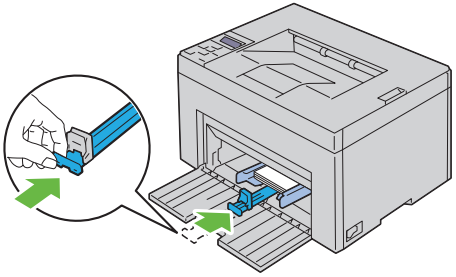


10 Slide the length guide towards the printer until it touches the print media.



NOTE: Depending on the size of print media, first slide the length guide backward until it stops, and then slide the MPF extension until it touches print media.



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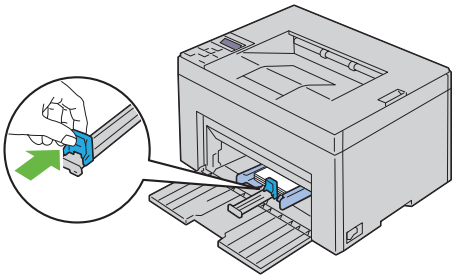
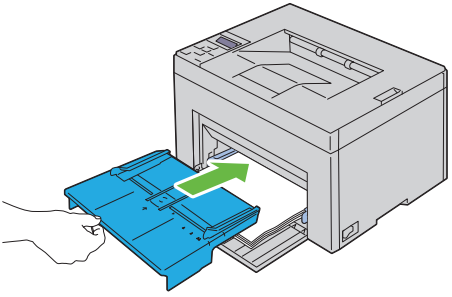
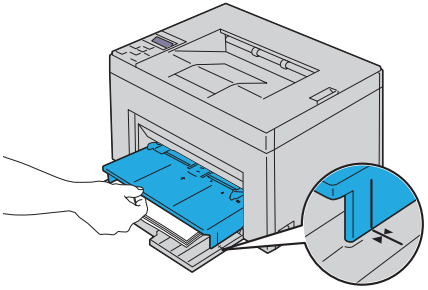


11 Insert the PSI into the printer and then align the PSI to the marking on the paper tray.





12 Select the paper type from the printer driver if the loaded print media is not standard plain paper. If a user-specified print media is loaded in the MPF, you must specify the paper size setting by using the printer driver.

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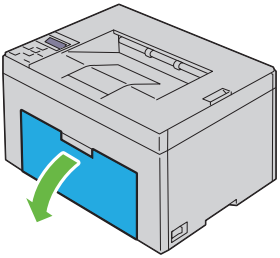
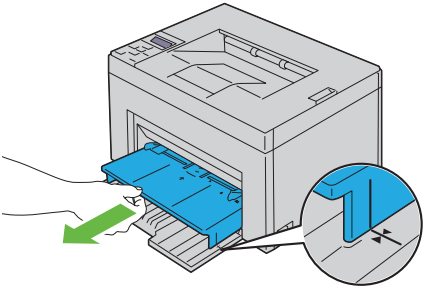
Loading Print Media in the Priority Sheet Inserter (PSI)

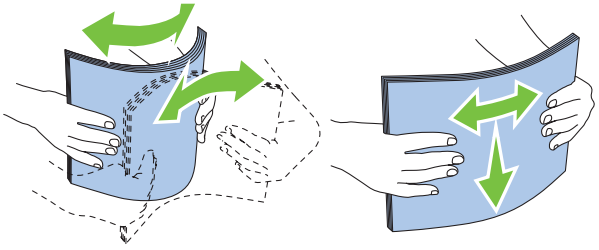
1 Open the front cover.



2 Slide the PSI forward, and then align the PSI to the marking on the paper tray.



3 Before loading the print media, flex the sheets back and forth, and then fan them. Straighten the edges of the stack on a level surface.



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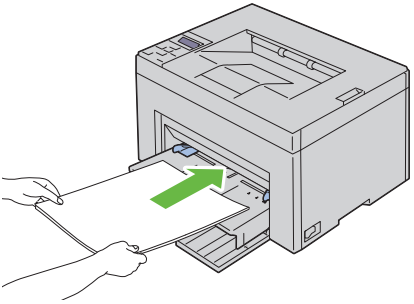
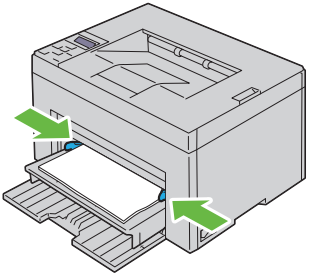
4 Load print media on the PSI with the top edge first and with the recommended print side facing up.



5 Adjust the width guides until they rest lightly against the edges of the stack of print media.



6 Select the paper type from the printer driver if the loaded print media is not standard plain paper. If a user-specified print media is loaded in the PSI, you must specify the paper size setting by using the printer driver.

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8

Installing Printer Drivers on Computers Running Windows

Identifying Printer Driver Pre-install Status (For Network Connection Setup)

Before installing the printer driver on your computer, print the printer settings page to check the IP address of your printer.

The Operator Panel

1. Press the (**Menu**) button.
2. Ensure that `Report/List` appears, and then press the ✓ button.
3. Ensure that `Printer Setting` appears, and then press the ✓ button.

   The printer settings page is printed.
4. Find the IP address under **Network** (**Wired/Wireless**) on the printer settings page.

   If the IP address is `0.0.0.0`, wait for a few minutes to resolve the IP address automatically, and then print the printer settings page again.

   If the IP address is not resolved automatically, see "Assigning an IP Address (for IPv4 mode)" on page 39.

The Tool Box

NOTE:

1. Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

   NOTE: When multiple printer drivers are installed on your computer, the **Select Printer** window opens. In this case, click the name of Dell 1350cnw Color Printer listed in **Printer Name**, and then click **OK**.

   The **Tool Box** opens.

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2 Select **TCP/IP Settings** from the list on the left side of the page.

The **TCP/IP Settings** page appears.

If the IP address shows `0.0.0.0` (the factory default) or `169.254.xx.xx`, an IP address has not been assigned. To assign one for your printer, see "Assigning an IP Address (for IPv4 mode)" on page 39.

Disabling the firewall before installing your printer

NOTE: For Windows XP, Service Pack 2 or 3 must be installed.

If you are running one of the following operating systems, you must disable the firewall before installing the Dell printer software:

- Windows 7
- Windows Vista
- Windows Server 2008 R2
- Windows Server 2008
- Windows XP

1 Click **Start**→ **Help and Support**.

NOTE: For Windows Server 2008 R2 and Windows 7 operating systems, if you use **Online Help**, switch to **Offline Help** on **Windows Help and Support** window.

2 In the **Search** box, type `firewall` and then press **Enter**.

In the list, click **Turn Windows Firewall on or off** and then follow the instructions on the screen.

Enable the firewall after the installation of the Dell printer software is complete.

Inserting the Drivers and Utility CD

1 Insert the *Drivers and Utilities* CD into your computer to start Easy Setup Navigator.

NOTE: If the CD does not automatically launch, click **Start**→ **All Programs** (for Windows Vista and Windows 7)→ **Accessories** (for Windows Vista and Windows 7)→ **Run**, and then type `D:\setup_assist.exe` (where D is the drive letter of your CD), and then click **OK**.

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Direct Connection Setup

For installing host-based printer driver

1. Click **Software Installation**.
2. Select **Personal Installation**, and then click **Next**.
3. Follow the on-screen instructions to connect the computer and the printer with a USB cable, and then turn the printer on.

   The Plug and Play installation starts and the installation software proceeds to the next page automatically.

   NOTE: If the installation software does not automatically proceed to the next page, click **Install**.
4. Click **Finish** to exit the wizard when the **Congratulations!** screen appears. If necessary, click **Print Test Page** to print a test page.

USB Printing

A personal printer is a printer attached to your computer or a print server using a USB. If your printer is attached to a network and not your computer, see "Network Connection Setup" on page 58.

For installing XML Paper Specification (XPS) printer driver

NOTE: Download and install the XPS printer driver at **support.dell.com/support**

NOTE: XPS driver is supported on the following operating systems: Windows 7, Windows 7 64-bit Edition, Windows Vista, Windows Vista 64-bit Edition, Windows Server 2008 R2, Windows Server 2008, and Windows Server 2008 64-bit Edition.

Windows Vista or Windows Vista 64-bit Edition

1. Extract the zip file you downloaded to your desired location.
2. Click **Start**→ **Control Panel**→ **Hardware and Sound**→ **Printers**.
3. Click **Add a printer**.
4. Click **Add a local printer**.
5. Select the port connected to this product, and then click **Next**.
6. Click **Have Disk** to display the **Install From Disk** dialog box.
7. Click **Browse**, and then select the extracted folder in step 1.

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8 Click **OK**.

9 Select your printer name and click **Next**.

10 To change the printer name, enter the printer name in the **Printer name** box. To use this printer as the default printer, select the check box displayed under the **Printer name**. Click **Next**.

Installation starts.

If the **User Account Control** dialog box appears, click **Continue**.

NOTE: If you are an administrator on the computer, click **Continue**; otherwise, contact your administrator to continue the desired action.

11 As the driver installation is completed, click **Print a test page** to print a test page.

12 Click **Finish**.

Windows Server 2008 or Windows Server 2008 64-bit Edition

NOTE: You must log in as an administrator.

1 Extract the zip file you downloaded to your desired location.

2 Click **Start**→ **Control Panel**→ **Hardware and Sound**→ **Printers**.

3 Click **Add a printer**.

4 Click **Add a local printer**.

5 Select the port connected to this product, and then click **Next**.

6 Click **Have Disk** to display the **Install From Disk** dialog box.

7 Click **Browse**, and then select the extracted folder in step 1.

8 Click **OK**.

9 Select your printer name and click **Next**.

10 To change the printer name, enter the printer name in the **Printer name** box.

To use this printer as the default printer, select the **Set as the default printer** check box. Click **Next**.

Installation starts.

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11 If you do not share your printer, select **Do not share this printer**. If you share your printer, select **Share this printer so that others on your network can find and use it**. Click **Next**.

12 As the driver installation is completed, click **Print a test page** to print a test page.

13 Click **Finish**.

Windows 7, Windows 7 64-bit Edition, or Windows Server 2008 R2

1 Extract the zip file you downloaded to your desired location.

2 Click **Start→ Devices and Printers**.

3 Click **Add a printer**.

4 When you use Windows Server 2008 R2, click **Add a local or network printer as an administrator**.

If the **User Account Control** dialog box appears, click **Yes**.

NOTE: If you are an administrator on the computer, click **Yes**; otherwise, contact your administrator to continue the desired action.

5 Click **Add a local printer**.

6 Select the port connected to this product, and then click **Next**.

7 Click **Have Disk** to display the **Install From Disk** dialog box.

8 Click **Browse**, and then select the extracted folder in step 1.

9 Click **OK**.

10 Select your printer name and click **Next**.

11 To change the printer name, enter the **printer name** in the Printer name box, and then click **Next**.

Installation starts.

12 If you do not share your printer, select **Do not share this printer**. If you share your printer, select **Share this printer so that others on your network can find and use it**. Click **Next**.

13 As the driver installation is completed, click **Print a test page** to print a test page. To use this printer as the default printer, select the **Set as the default printer** check box.

14 Click **Finish**.

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Network Connection Setup

Network Printer Setup on a Local Network

For installing host-based printer driver

1. Click **Software Installation**.
2. Select **Network Installation**, and then click **Next**.
3. Select **Local Installation**, and then click **Next**.
4. Select the printer you want to install from the printer list, and then click **Next**. If the target printer is not displayed on the list, click **Refresh** to refresh the list or click **Add Printer** to add a printer to the list manually. You may specify the IP address and port name at this point.

   If you have installed this printer on the server computer, select **I am setting up this printer on a server** check box.

   NOTE: When using AutoIP, 0.0.0.0 is displayed in the installer. Before you can continue, you must enter a valid IP address.

   NOTE: If you are running any of the following operating systems, a Windows Security Alert is displayed:

   - Windows Vista
   - Windows Vista 64-bit Edition
   - Windows Server 2008
   - Windows Server 2008 64-bit Edition
   - Windows Server 2008 R2 64-bit Edition
   - Windows 7
   - Windows 7 64-bit Edition

   To continue installing the host-based printer driver, click **Unblock or Allow access** (for Windows Server 2008 R2 and Windows 7).
5. Specify the printer settings, and then click **Next**.
   a. Enter the printer name.
   b. If you want other users on the network to access this printer, select **Share this printer** with other computers on the network, and then enter a share name that users can identify.

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c If you want to set a printer as the default, select the **Set this printer** as default check box.

6 Select the software and documentation you want to install, and then click **Next**. You can specify folders in which to install the Dell software and documentation. To change the folders, click **Browse**.

7 Click **Finish** to exit the wizard when the **Congratulations!** screen appears. If necessary, click **Print Test Page** to print a test page.

For installing XML Paper Specification (XPS) printer driver

NOTE: Download and install the XPS printer driver at **support.dell.com/support**

NOTE: XPS driver is supported on the following operating systems: Windows 7, Windows 7 64-bit Edition, Windows Vista, Windows Vista 64-bit Edition, Windows Server 2008 R2, Windows Server 2008, and Windows Server 2008 64-bit Edition.

Windows Vista or Windows Vista 64-bit Edition

1 Extract the zip file you downloaded to your desired location.

2 Click **Start**→ **Control Panel**→ **Hardware and Sound**→ **Printers**.

3 Click **Add a printer**.

4 Click **Add a network, wireless or Bluetooth printer**.

5 Select printer or click **The printer that I want isn't listed**.

6 Select **Add a printer using a TCP/IP address or host name**, and then click **Next**.

7 Select **TCP/IP Device** for **Device type**, and enter the IP address for **Hostname or IP address**, and then click **Next**.

If the User Account Control Continue dialog box appears, click **Continue**.

NOTE: If you are an administrator on the computer, click **Continue**; otherwise, contact your administrator to continue the desired action.

8 Click **Have Disk** to display the **Install From Disk** dialog box.

9 Click **Browse**, then select the extracted folder in step 1, and then click **OK**.

10 Select your printer name and click **Next**.

11 To change the printer name, enter the printer name in the **Printer name** box, and then click **Next**.

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To use this printer as the default printer, select the **Set as the default printer** check box.

Installation starts.

If the **User Account Control** dialog box appears, click **Continue**.

NOTE: If you are an administrator on the computer, click **Continue**; otherwise, contact your administrator to continue the desired action.

12 As the driver installation is completed, click **Print a test page** to print a test page.

13 Click **Finish**.

Windows Server 2008 or Windows Server 2008 64-bit Edition

NOTE: You must log in as an administrator.

1 Extract the zip file you downloaded to your desired location.

2 Click **Start**→ **Control Panel**→ **Hardware and Sound**→ **Printers**.

3 Click **Add a printer**.

4 Click **Add a network, wireless or Bluetooth printer**.

5 Select your printer or click **The printer that I want isn't listed**.

When you select your printer, go to step 8.

When you click **The printer that I want isn't listed**, go to step 6.

6 Select **Add a printer using a TCP/IP address or host name**, and then click **Next**.

7 Select **TCP/IP Device** from **Device type**, and enter the IP address for **Hostname or IP address**, and then click **Next**.

If the User Account Control Continue dialog box appears, click **Continue**.

8 Click **Have Disk** to display the **Install From Disk** dialog box.

9 Click **Browse**, then select the extracted folder in step 1, and then click **OK**.

10 Select your printer name and click **Next**.

11 To change the printer name, enter the printer name in the **Printer name** box, and then click **Next**.

To use this printer as the default printer, select the **Set as the default printer** check box.

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Installation starts.

12 If you do not share your printer, select **Do not share this printer**. If you share your printer, select **Share this printer so that others on your network can find and use it**. Click **Next**.

13 As the driver installation is completed, click **Print a test page** to print a test page.

14 Click **Finish**.

Windows Server 2008 R2

1 Extract the zip file you downloaded to your desired location.

2 Click **Start→ Devices and Printers**.

3 Click **Add a printer**.

4 Click **Add a network, wireless or Bluetooth printer**.

5 Select your printer or click **The printer that I want isn't listed**.

NOTE: When you click **The printer that I want isn't listed**, **Find a printer by name or TCP/IP address** screen appears. Find your printer on this screen.

If the **User Account Control** dialog box appears, click **Yes**.

NOTE: If you are an administrator on the computer, click **Yes**; otherwise, contact your administrator to continue the desired action.

6 Click **Have Disk** to display the **Install From Disk** dialog box.

7 Click **Browse**, then select the extracted folder in step 1, and then click **OK**.

8 Select your printer name and click **Next**.

9 To change the printer name, enter the printer name in the **Printer name** box, and then click **Next**.

10 If you do not share your printer, select **Do not share this printer**. If you share your printer, select **Share this printer so that others on your network can find and use it**.

11 Click **Next**.

Installation starts.

12 As the driver installation is completed, click **Print a test page** to print a test page. To use this printer as the default printer, select the **Set as the default printer** check box.

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13 Click **Finish**.

Windows 7 or Windows 7 64-bit Edition

1 Extract the zip file you downloaded to your desired location.

2 Click **Start**→ **Devices and Printers**.

3 Click **Add a printer**.

4 Click **Add a network, wireless or Bluetooth printer**.

5 Select your printer or click **The printer that I want isn't listed**.

When you select your printer, go to step 8.

When you click **The printer that I want isn't listed**, go to step 6.

6 Select **Add a printer using a TCP/IP address or host name**, and then click **Next**.

7 Select **TCP/IP Device** from **Device type**, and enter the IP address for **Hostname or IP address**, and then click **Next**.

If the **User Account Control** dialog box appears, click **Yes**.

NOTE: If you are an administrator on the computer, click **Yes**; otherwise, contact your administrator to continue the desired action.

8 Click **Have Disk** to display the **Install From Disk** dialog box.

9 Click **Browse**, then select the extracted folder in step 1, and then click **OK**.

10 Select your printer name and click **Next**.

11 To change the printer name, enter the printer name in the **Printer name** box, and then click **Next**.

Installation starts.

12 As the driver installation is completed, click **Print a test page** to print a test page. To use this printer as the default printer, select the **Set as the default printer** check box.

13 Click **Finish**.

NOTE: You can set up the **Dell Printer Configuration Web Tool** to send you an e-mail when the printer needs supplies or intervention.

For more information about **E-Mail Alert**, see "E-Mail Alert" on page 112.

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Network Printer Setup on a Remote Network

Before Installation

Before you start remote installation, perform the following procedures.

Allow Print Spooler to Accept Client Connections

NOTE: This step is required for Windows XP 64-bit Edition, Windows Vista, Windows Vista 64-bit Edition, Windows Server 2003, Windows Server 2003 x64 Edition, Windows Server 2008, Windows Server 2008 64-bit Edition, Windows Server 2008 R2, Windows 7, and Windows 7 64-bit Edition.

For Windows XP 64-bit Edition, Windows Vista, Windows Server 2003, and Windows Server 2008:

1. Click **Start** → **All Programs** (for Windows Vista only) → **Accessories** (for Windows Vista only) → **Run**.
2. Type `gpedit.msc`, and then click **OK**.
3. Click **Computer Configuration** → **Administrative Templates** → **Printers**.
4. Right-click **Allow Print Spooler to accept client connections** and select **Properties**.
5. On the **Setting** tab, select **Enabled**, and then click **OK**.
6. Restart the computer.

For Windows Server 2008 R2 and Windows 7:

1. Click **Start** → **All Programs** (for Windows 7 only) → **Accessories** (for Windows 7 only) → **Run**.
2. Type `gpedit.msc`, and then click **OK**.
3. Click **Computer Configuration** → **Administrative Templates** → **Printers**.
4. Right-click **Allow Print Spooler to accept client connections** and select **Edit**.
5. Select **Enabled**, and then click **OK**.
6. Restart the computer.

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Share the Firewall File and Printer

NOTE: This step is required for Windows XP, Windows XP 64-bit Edition, Windows Vista, Windows Vista 64-bit Edition, Windows Server 2008, Windows Server 2008 64-bit Edition, Windows Server 2008 R2, Windows 7, and Windows 7 64-bit Edition.

For Windows XP:

1. Click **start** → **Control Panel**.
2. Select **Security Center**.
3. Click **Windows Firewall**.
4. On the **Exceptions** tab, check the **File and Printer Sharing** check box, and then click **OK**.

For Windows Vista:

1. Click **Start** → **Control Panel**.
2. Select **Security**.
3. Click **Windows Firewall**.
4. Click **Change settings**.
5. Click **Continue**.
6. On the **Exceptions** tab, check the **File and Printer Sharing** check box, and then click **OK**.

For Windows Server 2008:

1. Click **Start** → **Control Panel**.
2. Double-click **Windows Firewall**.
3. Click **Change settings**.
4. On the **Exceptions** tab, check the **File and Printer Sharing** check box, and then click **OK**.

For Windows Server 2008 R2 and Windows 7:

1. Click **Start** → **Control Panel**.
2. Select **System and Security**.
3. Click **Windows Firewall**.
4. Click **Allow a program or feature through Windows Firewall**.
5. If the check boxes under **Allowed programs and features:** are dimmed, click **Change settings**.

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6 Check the **File and Printer Sharing** check box. **Home/Work (Private)** or **Public** check box is automatically selected according to your settings.

If **File and Printer Sharing Properties** dialog box appears, click **OK**.

7 Click **OK**.

Start Remote Registry

NOTE: This step is required for Windows Vista, Windows Vista 64-bit Edition, Windows 7, and Windows 7 64-bit Edition.

1 Click **Start** → **Control Panel**.

2 Select **System and Maintenance** (**System and Security** for Windows 7).

3 Click **Administrative Tools**.

4 Double-click **Services**.

5 Click **Continue** (for Windows Vista only).

6 Right-click **Remote Registry** and select **Start**.

7 Right-click **Remote Registry** and select **Properties**.

8 Change **Startup type:** to **Automatic**, and then click **OK**.

Disable User Account Control

NOTE: Disabling the User Account Control might leave the system vulnerable to virus attacks.

NOTE: This step is required for Windows Vista, Windows Vista 64-bit Edition, Windows Server 2008, Windows Server 2008 64-bit Edition, Windows Server 2008 R2, Windows 7, and Windows 7 64-bit Edition.

For Windows Vista:

1 Click **Start** → **Control Panel**.

2 Select **User Accounts and Family Safety**.

3 Click **User Accounts**.

4 Click **Turn User Account Control on or off**.

5 Click **Continue**.

6 Clear the **Use User Account Control (UAC) to help protect your computer** check box.

7 Restart the computer.

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For Windows Server 2008:

1. Click **Start** → **Control Panel**.
2. Double-click **User Accounts**.
3. Click **Turn User Account Control on or off**.
4. Click **Continue**.
5. Clear the **Use User Account Control (UAC) to help protect your computer** check box.
6. Click **OK**.
7. Restart the computer.

For Windows Server 2008 R2:

1. Click **Start** → **Control Panel**.
2. Select **User Accounts**.
3. Click **User Accounts**.
4. Click **Change User Account Control Settings**.
5. Move the slider to the bottom, and then click **OK**.
6. Click **Yes**.
7. Restart the computer.

For Windows 7:

1. Click **Start** → **Control Panel**.
2. Select **User Accounts and Family Safety**.
3. Click **User Accounts**.
4. Click **Change User Account Control Settings**.
5. Move the slider to the bottom, and then click **OK**.
6. Click **Yes** in **User Account Control** dialog box.
7. Restart the computer.

Enable Network Discovery and File Sharing for all Public Networks

NOTE: This step is required when you use Windows Vista, Windows Vista 64-bit Edition, Windows Server 2008, Windows Server 2008 64-bit Edition, Windows Server 2008 R2, Windows 7, and Windows 7 64-bit Edition for the server computer.

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For Windows 7, and Windows 7 64-bit Edition, Windows Server 2008 R2

1. Click **Start** → **Control Panel** → **Network and Internet** → **Network and Sharing Center** → **Change advanced sharing settings**.
2. To allow your computer to be found on the network and to allow other computers on the network to share the files and folders on your computer, click **Turn on network discovery**.
3. Click **Save changes**.
4. If you see the **User Account Control** dialog box, click **Yes**.

For Windows Vista, Windows Vista 64-bit Edition, Windows Server 2008, Windows Server 2008 64-bit Edition:

1. Click **Start** → **Network**.
2. Right-click **Network** and select **Properties**.

   Network an Sharing Center screen appears.
3. Click the down arrow button next to either **Network** discovery.
4. To allow your computer to be found on the network and to allow other computers on the network to share the files and folders on your computer, click Turn on network discovery.
5. Click **Apply**.
6. If the **User Account Control** dialog box appears, confirm that the action it displays is what you want, and then click **Continue**.

Disable Simple File Sharing

NOTE: This step is required for Windows XP, and Windows XP 64-bit Edition.

1. Click **Start** → **Control Panel**.
2. Select **Appearance and Themes**.
3. Select **Folder Options**.
4. On the **View** tab, clear the **Use simple file sharing (Recommended)** check box, and then click **OK**.
5. Click **Start** → **Control Panel**.
6. Select **Performance and Maintenance**.
7. Select **Administrative Tools**.

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8 Click **Local Security Policy**.

9 Click **Local Policies** → **Security Options**.

10 Right-click **Network access: Sharing and security model for local accounts** and select **Properties**.

11 Ensure that **Classic - local users authenticate as themselves** is selected.

Installing the Printer Driver

NOTE: Installation on Windows XP Home Edition, Windows Vista Home Basic, Windows Vista Home Premium, Windows Vista x64 Home Basic, Windows Vista x64 Home Premium, Windows 7 Starter, Windows 7 Home Basic, Windows 7 Home Premium, Windows 7 x64 Home Basic, and Windows 7 x64 Home Premium is not supported.

1 Insert the Drivers and Utilities CD provided with the printer in your computer. The Easy Setup Navigator file launches automatically.

2 Click **Software Installation**.

Install Printer Driver and Software screen appears.

3 Select **Network Installation**, and then click **Next**.

4 Select **Remote Installation**, and then click **Next**.

5 Enter the Administrator user name and password of the client computer, then select the clients or servers, and then **Next**.

NOTE: If you are running any of the following operating systems, a Windows Security Alert is displayed:

- Windows Vista
- Windows Vista 64-bit Edition
- Windows Server 2008
- Windows Server 2008 64-bit Edition
- Windows Server 2008 R2 64-bit Edition
- Windows 7
- Windows 7 64-bit Edition

To continue installing the host-based printer driver, click **Unblock or Allow access** (for Windows Server 2008 R2 and Windows 7).

6 Check if the printer to be installed is listed in **Select Printer**, and then click **Next**.

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NOTE: If the printer to be installed is not listed in **Select Printer**, try the following steps:

- Click **Refresh** to update the information.
- Click **Add Printer**, and then enter a port name (any alphanumeric string of your choosing) and an existing IP address for the printer.

7 Select the required items on the **Printer Configuration**, and then click **Install**.

NOTE: When you change installation folder, click **Input**, and then enter the path and click **OK** on **Installation Folder** dialog box.

8 Click **Finish** to exit this tool.

Configuring Wireless Settings

This section describes how to configure wireless settings through Easy Setup Navigator.

The specifications of wireless setting function are described below:

Item	Specification
Connectivity	Wireless
Connectivity Standard	IEEE 802.11b/802.11g/802.11n compliant
Bandwidth	2.4 GHz
Data Transfer Rate	IEEE 802.11b mode: 11, 5.5, 2, 1 Mbps IEEE 802.11g mode: 54, 48, 36, 24, 18, 12, 9, 6 Mbps IEEE 802.11n mode: 65 Mbps
Security	64 (40-bit key)/ 128 (104-bit key) WEP, WPA-PSK (TKIP, AES), WPA2-PSK (AES) (IEEE 802.1x attestation function of WPA 1x non-corresponds)
Wifi Protected Setup (WPS)	Push Button Configuration (PBC), Personal Identification Number (PIN)

You can select a method to configure a wireless setting from the following:

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Wizard Setup through USB connection	
Advanced Setup through	Ethernet connection
	Operator Panel
	Dell Printer Configuration Web Tool
	WPS-PIN*1
	WPS-PBC*2

*1 WPS-PIN (Wi-Fi® Protected Setup-Personal Identification Number) is a method to authenticate and register devices required for wireless configuration, by entering PIN assignments in the printer and computer. This setting, performed through access point, is available only when the access points of your wireless router supports WPS.

*2 WPS-PBC (Wi-Fi Protected Setup-Push Button Configuration) is a method to authenticate and register devices required for wireless configuration, by pressing the button provided on the access point via wireless routers, and then performing WPS-PBC setting on the operator panel. This setting is available only when the access point supports WPS.

NOTE: For information on how to install a wireless, see "Using Wizard Setup to Configure Wireless Settings" on page 70 or "Using Advanced Setup to Configure Wireless Settings" on page 72.

Using Wizard Setup to Configure Wireless Settings

1 Insert the *Drivers and Utilities* CD provided with the printer in your computer. The **Easy Setup Navigator** file launches automatically.

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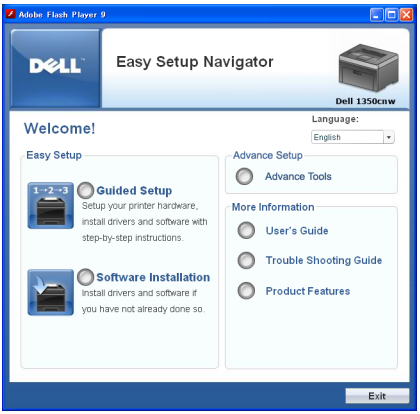

2 Click **Guided Setup**.

3 Select **Wireless Connection**, and then click **Next**.

The setting method selection window appears.

4 Ensure that **Wizard** is selected, and then click **Next**.

5 Follow the instructions until **Check Setup** screen appears.

6 Confirm there are no errors displayed in the operator panel, and then click **NO**.

If you see any errors, click **YES** and follow the instruction.

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7 Click **Start installation**.

8 Select **Local Installation**, and then click **Next**.

9 Check if the printer to be installed is listed in the **Select Printer** screen, and then click **Next**.

NOTE: If the printer to be installed is not listed in the **Select Printer** screen, try the following steps:

- Click **Refresh** to update the information.
- Click **Add Printer**, and then enter the details of the printer manually.

10 Select the required items on the **Enter Printer Settings** screen, and then click **Next**.

11 Select the software to be installed, and then click **Install**.

Congratulations! screen appears.

12 Click **Finish** to exit this tool.

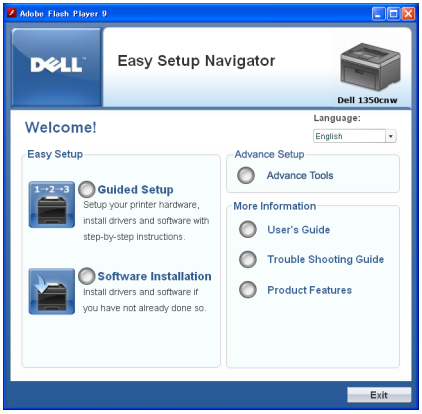
Wireless Configuration is complete.

Using Advanced Setup to Configure Wireless Settings

To use the Advanced Setup, display the Configuration Wireless Setting screen.

Displaying Configure Wireless Settings Screen

1 Insert the *Drivers and Utilities* CD provided with the printer in your computer. The **Easy Setup Navigator** file launches automatically.



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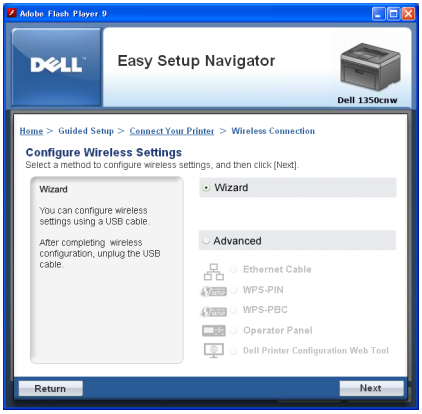
2 Click **Guided Setup**.

3 Select **Wireless Connection**, and then click **Next**.

The setting method selection window appears.



4 Select **Advanced**.

Select a connection method from the following

- Ethernet Cable
- WPS-PIN
- WPS-PBC
- Operator Panel
- Dell Printer Configuration Web Tool

Ethernet Cable

1 Select **Ethernet Cable**, and then click **Next**.

2 Follow the instructions, and then click **Next**.

Advanced Configuration Tool screen appears.

3 Select the printer to be configured in the **Select Printer** screen, and then click **Next**.

NOTE: If the printer to be configured is not listed in the **Select Printer** screen, try the following steps:

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- Click **Refresh** to update the information.
- Click **Enter IP Address**, and then enter the IP address of your printer.

4 Enter **SSID**.

5 Select **Type of wireless network**.

6 Configure the security setting, and then click **Next**.

IP Address Settings screen appears.

7 Select **IP Mode** depending on your network scheme.

When **IPv4** is selected:

Configure the following:

a Select **Type**.

b Enter the following items:

- **IP address** of your printer
- **Subnet Musk**
- **Gateway Address**

When **IPv6** is selected:

Configure the following:

a Select **Use Manual Address**.

b Enter IP address of your printer.

c Enter gateway address of your network.

When **Dual Stack** (both IPv4 and IPv6) is selected:

Configure the both setting (IPv4 and IPv6)

8 Click **Next**.

9 Ensure that the wireless settings is displayed, and then click **Apply**.

Complete configuration screen appears.

10 Click **Next**.

11 Follow the instructions until **Check Setup** screen appears, and then click **Next**.

12 Confirm there are no errors displayed on the operator panel, and then click **NO** on the **Check Setup** screen.

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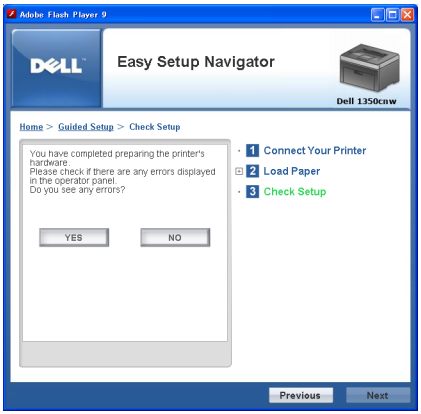
NOTE: If you see any errors, click **YES** and follow the instruction.



13 Click **Start Installation**.

14 Select **Local Installation**, and then click **Next**.

15 Check if the printer to be installed is listed in the **Select Printer** screen, and then click **Next**.

NOTE: If the printer to be installed is not listed in the **Select Printer** screen, try the following steps:

- Click **Refresh** to update the information.
- Click **Add Printer**, and then enter the details of the printer manually.

16 Configure the required items on the **Enter Printer Settings** screen, and then click **Next**.

17 Select the software to be installed, and then click **Install**.

Congratulations! screen appears.

18 Click **Finish** to exit this tool.

Wireless Configuration is complete.

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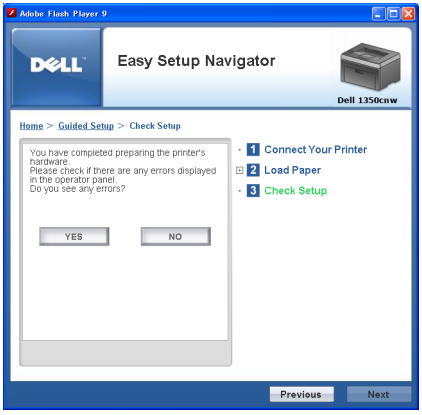
WPS-PIN

NOTE: WPS-PIN (Wi-Fi Protected Setup-Personal Identification Number) is a method to authenticate and register devices required for wireless configuration, by entering PIN assignments to a printer and computer. This setting, performed through access point, is available only when the access points of your wireless router supports WPS.

1. Select **WPS-PIN**, and then click **Next**.
2. Follow the instructions until **Check Setup** screen appears.
3. Confirm there are no errors displayed on the operator panel, and then click **NO** on the **Check Setup** screen.

   NOTE: If you see any errors, click **YES** and follow the instruction.



4. Select **Local Installation**, and then click **Next**.
5. Check if the printer to be installed is listed in the **Select Printer**, and then click **Next**.

   NOTE: If the printer to be installed is not listed in the **Select Printer**, try the following steps:

   - Click **Refresh** to update the information.
   - Click **Add Printer**, and then enter the details of the printer manually.

6. Configure the required items on the **Enter Printer Settings** screen, and then click **Next**.

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7 Select the software to be installed, and then click **Install**.

Congratulations! screen appears.

8 Click **Finish** to exit this tool.

Wireless Configuration is complete.

When the **WPS-PIN** operation is successful and the printer is rebooted, wireless LAN connection is completed.

WPS-PBC

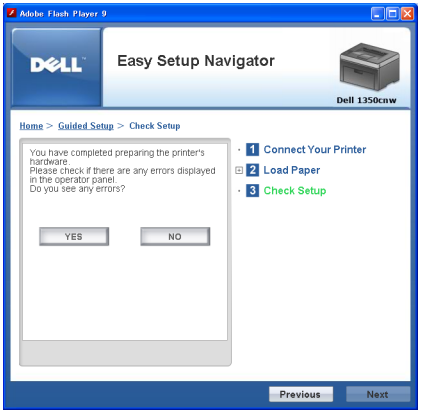
NOTE: WPS-PBC (Wi-Fi Protected Setup-Push Button Configuration) is a method to authenticate and register devices required for wireless configuration, by pressing the button provided on the access point via wireless routers, and then performing WPS-PBC setting on the operator panel. This setting is available only when the access point supports WPS.

1 Select **WPS-PBC**, and then click **Next**.

2 Follow the instructions until **Check Setup** screen appears.

3 Confirm there are no errors displayed on the operator panel, and then click **NO** on the **Check Setup** screen.

NOTE: If you see any errors, click **YES** and follow the instruction.



4 Select **Local Installation**, and then click **Next**.

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5 Check if the printer to be installed is listed in the **Select Printer** screen, and then click **Next**.

NOTE: If the printer to be installed is not listed in the **Select Printer** screen, try the following steps:

- Click **Refresh** to update the information.
- Click **Add Printer**, and then enter the details of the printer manually.

6 Configure the required items on the **Enter Printer Settings** screen, and then click **Next**.

7 Select the software to be installed, and then click **Install**.

Congratulations! screen appears.

8 Click **Finish** to exit this tool.

Wireless Configuration is complete.

NOTE: For **WPS-PBC** operation on the wireless LAN access point, refer to the manual supplied with the wireless LAN access point.

When the **WPS-PBC** operation is successful and the printer is rebooted, wireless LAN connection is completed.

Operator Panel

1 Select **Operator Panel**, and then click **Next**.

2 Follow the instructions until **Check Setup** screen appears.

3 Confirm there are no errors displayed on the operator panel, and then click **NO** on the **Check Setup** screen.

NOTE: If you see any errors, click **YES** and follow the instruction.

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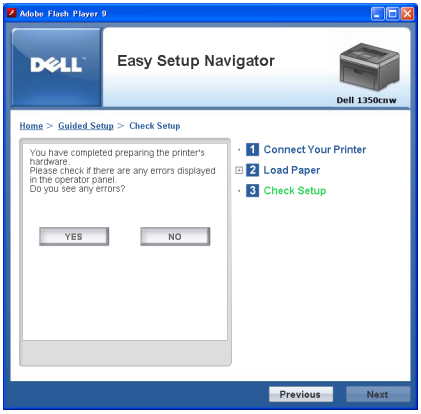

4 Select **Local Installation**, and then click **Next**.

5 Check if the printer to be installed is listed in the **Select Printer** screen, and then click **Next**.

NOTE: If the printer to be installed is not listed in the **Select Printer** screen, try the following steps:

- Click **Refresh** to update the information.
- Click **Add Printer**, and then enter the details of the printer manually.

6 Configure the required items on the **Enter Printer Settings** screen, and then click **Next**.

7 Select the software to be installed, and then click **Install**.

Congratulations! screen appears.

8 Click **Finish** to exit this tool.

Wireless Configuration is complete.

Dell Printer Configuration Web Tool

1 Select **Dell Printer Configuration Web Tool**, and then click **Next**.

2 Follow the instructions until **Check Setup** screen appears.

3 Confirm there are no errors displayed on the operator panel, and then click **NO** on the **Check Setup** screen.

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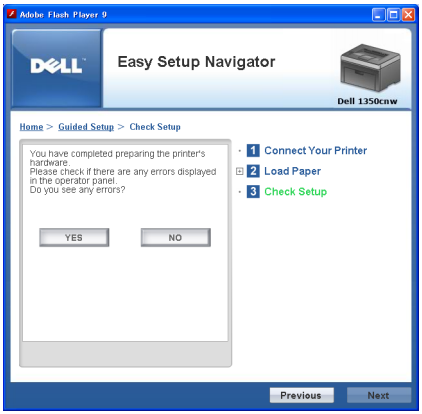
NOTE: If you see any errors, click **YES** and follow the instruction.



4 Select **Local Installation**, and then click **Next**.

5 Check if the printer to be installed is listed in the **Select Printer** screen, and then click **Next**.

NOTE: If the printer to be installed is not listed in the **Select Printer** screen, try the following steps:

- Click **Refresh** to update the information.
- Click **Add Printer**, and then enter the details of the printer manually.

6 Configure the required items on the **Enter Printer Settings** screen, and then click **Next**.

7 Select the software to be installed, and then click **Install**.

Congratulations! screen appears.

8 Click **Finish** to exit this tool.

Wireless Configuration is complete.

When the **Dell Printer Configuration Web Tool** operation is successful and the printer is rebooted, wireless LAN connection is completed.

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Setting up a New Wireless Network Environment for Your Computer (When you need to setup your wireless connectivity with your computer)

For DHCP network:

1 Setting up your computer for wireless connectivity:

NOTE: You can also change the wireless settings using the wireless application that may be installed in your computer.

For Windows XP and Windows Server 2003:

a Select **Network Connections** from **Control Panel**.

b Right-click **Wireless Network Connection** and select **Properties**.

c Select the **Wireless Networks** tab.

d Ensure that the check box for **Use Windows to configure my wireless network settings** is checked.

NOTE: Make note of the wireless settings on the **Advanced** window (step f) and the **Wireless Network Properties** window (step g). You may require these settings later.

e Click the **Advanced** button.

f Select **Computer to Computer (ad hoc) networks only** and close the **Advanced** dialog box.

g Click the **Add** button to display **Wireless network properties**.

h On the **Association** tab, enter the following information and click **OK**.

Network name (SSID): dell_device

Network Authentication: Open

Data encryption: Disabled

Ad hoc network: checked

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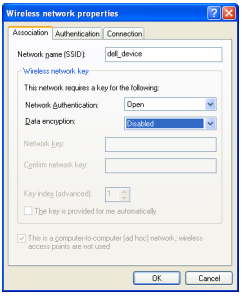

i Click the **Move up** button to move the newly added SSID to the top of the list.

j Click **OK** to close the **Property** dialog box.

For Windows Vista:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

e Select **dell_device** from the network items listed in **Connect to a network**.

f Select **Connect Anyway in the warning** dialog box indicating you are entering an unsecured area.

g Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008:

a Open **Control Panel**.

b Select **Network and Sharing Center**.

c Select **Connect to a network**.

d Select **dell_device** from the network items listed in **Connect to a network**.

e Select **Connect Anyway in the warning** dialog box indicating you are entering an unsecured area.

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f Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008 R2 and Windows 7:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

e Select **dell_device** from the network items listed in the available network list, and click **Connect**.

2 Check the IP address assigned by AutoIP on the printer.

a Press the (**Menu**) on the printer operator panel.

b Press the V button until `Admin Menu` appears, and then press the ✓ button.

c Press the V button until `Network` appears, and then press the ✓ button.

d Press the V button until `TCP/IP` appears, and then press the ✓ button.

e Press the V button until `IPv4` appears, and then press the ✓ button.

f Press the V button until `IP Address` appears, and then press the ✓ button.

(Default IP address range: 169.254.*xxx.yyy*)

```
IP Address
169.254.000.041*
```

3 Ensure that the IP Address on your computer is assigned by DHCP.

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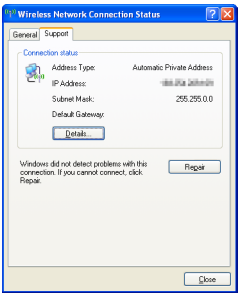
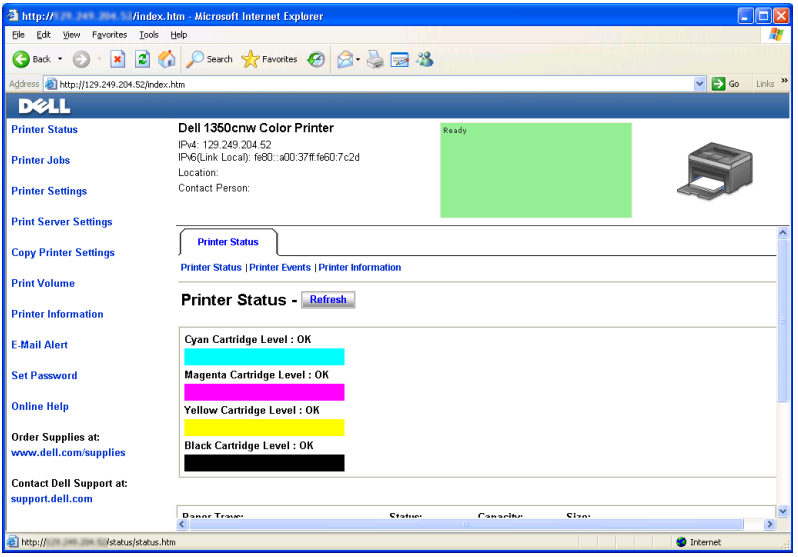


4 Enter the IP address in the address bar on your web browser.

Dell Printer Configuration Web Tool page appears.



5 Create wireless setting of the printer on **Dell Printer Configuration Web Tool**.

6 Reboot the printer.

7 Restore the wireless settings on your computer.

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NOTE: If the operating system on your computer provides a wireless configuration software, use it to change the wireless settings. Or you can change the wireless settings using the tool provided with the operating system. See the instructions below.

For Windows XP and Windows Server 2003:

a Open **Control Panel**.

b Select **Network Connections**.

c Right-click **Wireless Network Connection** and select **Properties**.

d Select **Wireless Network** tab.

e Ensure that the check box for **Use Windows to configure my wireless network settings** is checked.

f Click **Advanced**.

g You can either set the printer to the ad-hoc mode or the infrastructure mode.

For Adhoc mode:

Select **Computer to Computer (ad hoc) networks only** and close the **Advanced** dialog box.

For Infrastructure mode:

Select **Access point (Infrastructure) networks only** and close the Advanced dialog box.

h Click **Add** to display **Wireless network properties**.

i Enter the setting that you will send to the printer and click **OK**.

j Click **Move up** to move the setting to the top of the list.

k Click **OK** to close the **Property dialog** box.

For Windows Vista:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

e Select the network, and then click **Connect**.

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f Select **Connect Anyway** in the warning dialog box indicating you are entering an unsecured area.

g Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008:

a Open **Control Panel**.

b Select **Network and Sharing Center**.

c Select **Connect to a network**.

d Select the network, and then click **Connect**.

e Select **Connect Anyway** in the warning dialog box indicating you are entering an unsecured area.

f Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008 R2 and Windows 7:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

e Select the network, and then click **Connect**.

f Enter the **Security key** and click **OK**, if necessary.

For Fixed IP networks:

1 Set up your computer for wireless connectivity:

NOTE: If the operating system on your computer provides a wireless configuration software, use it to change the wireless settings. Or you can change the wireless settings using the tool provided with the operating system. See the instructions below.

For Windows XP and Windows Server 2003:

a Select **Network Connections** from Control Panel.

b Right-click **Wireless Network Connection** and select **Properties**.

c Select the **Wireless Networks** tab.

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d Ensure that the check box for **Use Windows to configure my wireless network settings** is checked.

NOTE: Be sure to write down the current wireless computer settings in step d and step f so that you can restore them later.

e Click the **Advanced** button.

f Select **Computer to Computer (ad hoc) networks only** and close the **Advanced** dialog box.

g Click the **Add** button to display **Wireless network** properties.

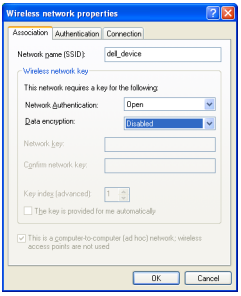
h On the **Association** tab, enter the following information and click **OK**.

Network name (SSID): dell_device

Network Authentication: Open

Data encryption: Disabled

Ad hoc network: checked



i Click the **Move up** button to move the newly added SSID to the top of the list.

j Click **OK** to close the **Property** dialog box.

For Windows Vista:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

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e Select **dell_device** from the network items listed in **Connect to a network**.

f Select **Connect Anyway** in the warning dialog box indicating you are entering an unsecured area.

g Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008:

a Open **Control Panel**.

b Select **Network and Sharing Center**.

c Select **Connect to a network**.

d Select **dell_device** from the network items listed in **Connect to a network**.

e Select **Connect Anyway** in the warning dialog box indicating you are entering an unsecured area.

f Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008 R2 and Windows 7:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

e Select **dell_device** from the network items listed in the available network list, and click **Connect**.

2 Check the IP address on your computer.

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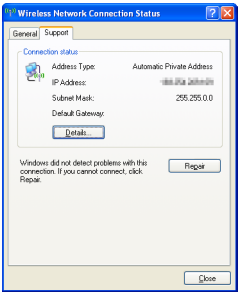
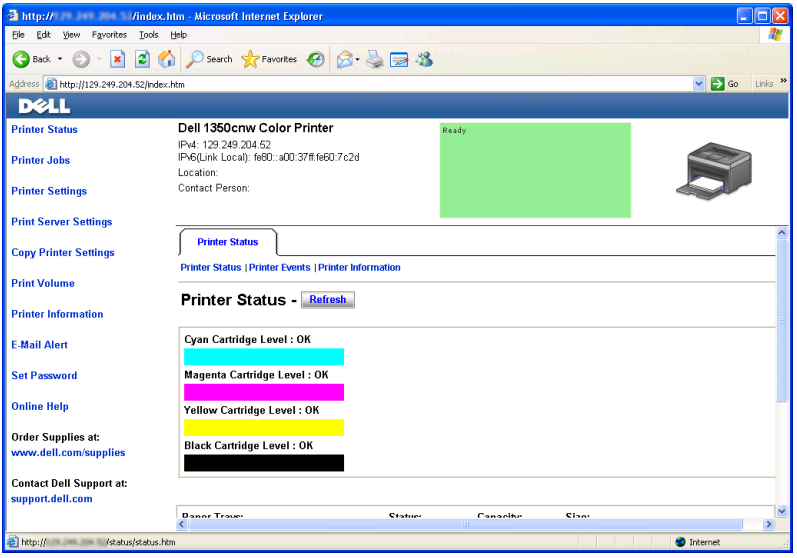


3 Set the IP address on the printer.

See "Assigning an IP Address (for IPv4 mode)" on page 39.

4 Enter the IP address in the address bar on your web browser.

Dell Printer Configuration Web Tool page appears.



5 Change the wireless setting of the printer on **Dell Printer Configuration Web Tool**.

6 Reboot the printer.

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7 Restore the wireless settings on your computer.

NOTE: If the operating system on your computer provides a wireless configuration software, use it to change the wireless settings. Or you can change the wireless settings using the tool provided with the operating system. See the instructions below.

For Windows XP and Windows Server 2003:

a Select **Network Connections** from Control Panel.

b Right-click **Wireless Network Connection** and select **Properties**.

c Select **Wireless Network** tab.

d Ensure that the check box for **Use Windows to configure my wireless network settings** is checked.

e Click **Advanced**.

f You can either set the printer to the ad-hoc mode or the infrastructure mode.

For Adhoc mode:

Select **Computer to Computer (ad hoc) networks only** and close the **Advanced** dialog box.

For Infrastructure mode:

Select **Access point (Infrastructure) networks only** and close the Advanced dialog box.

g Click **Add** to display **Wireless network properties**.

h Enter the setting that you will send to the printer and click **OK**.

i Click **Move up** to move the setting to the top of the list.

j Click **OK** to close the **Property** dialog box.

For Windows Vista:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

e Select the network, and then click **Connect**.

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f Select **Connect Anyway** in the warning dialog box indicating you are entering an unsecured area.

g Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008:

a Open **Control Panel**.

b Select **Network and Sharing Center**.

c Select **Connect to a network**.

d Select the network, and then click **Connect**.

e Select **Connect Anyway** in the warning dialog box indicating you are entering an unsecured area.

f Click **Close** in the dialog box after confirming the connection is a success.

For Windows Server 2008 R2 and Windows 7:

a Open **Control Panel**.

b Select **Network and Internet**.

c Select **Network and Sharing Center**.

d Select **Connect to a network**.

e Select the network, and then click **Connect**.

f Enter the **Security key** and click **OK**, if necessary.

Setting Up for Shared Printing

You can share your new printer on the network using the *Drivers and Utilities CD* that shipped with your printer, or using Windows Point and Print or peer-to-peer method. However, if you use either of the Microsoft® methods you will not get features such as the status monitor and other printer utilities, which will get installed with the *Drivers and Utilities CD*.

If you want to use the printer on a network, share the printer and install its drivers on all the computers on the network.

NOTE: You need to purchase a Ethernet cable separately for shared printing.

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For Windows® XP, Windows XP 64-bit Edition, Windows Server® 2003, Windows Server 2003 x64 Edition

1. Click **start** → **Printers and Faxes**.
2. Right-click this printer icon and select **Properties**.
3. From the **Sharing** tab, check the **Share this printer** check box, and then type a name in the **Share name** text box.
4. Click **Additional Drivers** and select the operating systems of all network clients using this printer.
5. Click **OK**.

   If the files are not present in your computer, then you will be prompted to insert the server operating system CD.

For Windows Vista®, Windows Vista 64-bit Edition

1. Click **Start** → **Control Panel** → **Hardware and Sound** → **Printers**.
2. Right-click the printer icon and select **Sharing**.
3. Click **Change sharing options** button.
4. The "**Windows needs your permission to continue**" appears.
5. Click **Continue** button.
6. Select the **Share this printer** check box, and then type a name in the **Share name** text box.
7. Select **Additional Drivers** and select the operating systems of all network clients using this printer.
8. Click **OK**.

For Windows Server 2008, Windows Server 2008 64-bit Edition

1. Click **Start** → **Control Panel** → **Printers**.
2. Right-click the printer icon and select **Sharing**.
3. Click **Change Sharing Options** button if exists.
4. Select the **Share this printer** check box, and then type a name in the **Share name** text box.
5. Click **Additional Drivers** and select the operating systems of all network clients using this printer.

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6 Click **OK**.

For Windows 7, Windows 7 64-bit Edition, Windows Server 2008 R2

1 Click **Start** → **Devices and Printers**.

2 Right-click the printer icon and select **Printer properties**.

3 On the **Sharing** tab, click **Change Sharing Options** button if exists.

4 Select the **Share this printer** check box, and then type a name in the **Share name** text box.

5 Click **Additional Drivers** and select the operating systems of all network clients using this printer.

6 Click **Apply**, and then click **OK**.

To check that the printer is shared:

- Ensure that the printer object in the **Printers, Printers and Faxes, or Devices and Printers** folder is shared. The share icon is shown under the printer icon.
- Browse **Network or My Network Places**. Find the host name of the server and look for the shared name you assigned to the printer.

Now that the printer is shared, you can install the printer on network clients using the Point and Print method or the peer-to-peer method.

Point and Print

Point and Print is a Microsoft Windows technology that allows you to connect to a remote printer. This feature automatically downloads and installs the printer driver.

For Windows XP, Windows XP 64-bit Edition, Windows Server 2003, Windows Server 2003 x64 Edition

1 On the Windows desktop of the client computer, double-click **My Network Places**.

2 Locate the host name of the server computer, and then double-click the host name.

3 Right-click the shared printer name, and then click **Connect**.

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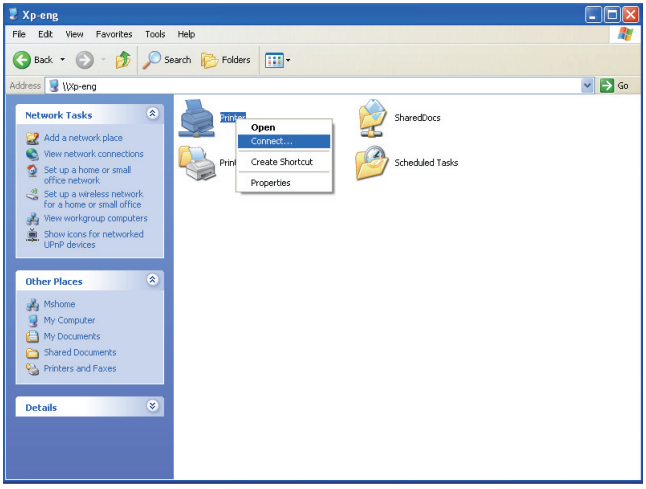

Wait for the driver information to be copied from the server computer to the client computer, and for a new printer object to be added to the **Printers and Faxes** folder. The time taken to copy varies based on the network traffic.

Close **My Network Places**.

4 Print a test page to verify installation.

   a Click **start** (**Start** for Windows Server 2003 / Windows Server 2003 x64 Edition) → **Settings** (for Windows XP / Windows XP 64-bit Edition) → **Printers and Faxes**.

   b Select the printer you have installed.

   c Click **File** → **Properties**.

   d On the **General** tab, click **Print Test Page**.

   When a test page is printed successfully, installation is complete.

For Windows Vista, Windows Vista 64-bit Edition

1 Click **Start** → **Network**.

2 Locate and double-click the host name of the server computer.

3 Right-click the shared printer name, and then click **Connect**.

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4 Click **Install driver**.

5 Click **Continue** in **User Account Control** dialog box.

Wait until the driver is copied from the server to the client computer. A new printer object is added to the Printers folder. The duration of this procedure may vary based on the network traffic.

6 Print a test page to verify installation.

a Click **Start** → **Control Panel** → **Hardware and Sound**.

b Select **Printers**.

c Right-click the printer you just created and select **Properties**.

d On the **General** tab, click **Print Test Page**.

When a test page is printed successfully, installation is complete.

For Windows Server 2008, Windows Server 2008 64-bit Edition

1 Click **Start** → **Network**.

2 Locate the host name of the server computer, and then double-click the host name.

3 Right-click the shared printer name, and then click **Connect**.

4 Click **Install driver**.

5 Wait until the driver is copied from the server to the client computer. A new printer object will be added to the Printers folder. The time taken for these activities varies based on network traffic.

6 Print a test page to verify installation.

a Click **Start** → **Control Panel**.

b Select **Printers**.

c Right-click the printer you just created and select **Properties**.

d On the **General** tab, click **Print Test Page**.

When a test page is printed successfully, installation is complete.

For Windows 7, Windows 7 64-bit Edition, Windows Server 2008 R2

1 Click **Start** → **Network** (**Start** → **Network** for Windows Server 2008 R2).

2 Locate the host name of the server computer, and then double-click the host name.

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3 Right-click the shared printer name, and then click **Connect**.

4 Click **Install driver**.

5 Wait until the driver is copied from the server to the client computer. A new printer object will be added to the Printers folder. The time taken for these activities varies based on network traffic.

6 Print a test page to verify installation.

   a Click **Start** → **Devices and Printers**.

   b Right-click the printer you just created and select **Printer properties**.

   c On the **General** tab, click **Print Test Page**.

   When a test page is printed successfully, installation is complete.

Peer-to-Peer

If you use the peer-to-peer method, the printer driver is installed on each client computer. The client computers can modify the drivers and handle the print jobs.

For Windows XP, Windows XP 64-bit Edition, Windows Server 2003, Windows Server 2003 x64 Edition

1 Click **start** (**Start** for Windows Server 2003 / Windows Server 2003 x64 Edition) → **Settings** (for Windows XP / Windows XP 64-bit Edition) **Printers and Faxes**.

2 Click **Add a Printer** to launch the **Add Printer** wizard.

3 Click **Next**.

4 Select **A network printer, or a printer attached to another computer**, and then click **Next**. If the printer is not listed, type in the path of the printer in the text box.

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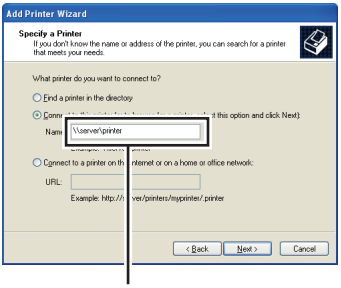
Add Printer Wizard
Specify a Printer
If you don't know the name or address of the printer, you can search for a printer that meets your needs.
What printer do you want to connect to?
Find a printer in the directory
Name:
\\server\printer
Connect to a printer on the Internet or on a home or office network:
URL:
< Back
Next >
Cancel

For example:\\<server host name>\<shared printer name>

The server host name is the name of the server computer that identifies it to the network. The shared printer name is the name assigned during the server installation process.

5 Click **Browse for a printer**, and then click **Next**.

If this is a new printer, you may be prompted to install a printer driver. If no system driver is available, specify the location where the driver is available.

6 Select **Yes** if you want this printer to be set as the default printer, and then click **Next**.

If you want to verify installation, click **Yes** to print a test page.

7 Click **Finish**.

When a test page prints successfully, installation is complete.

For Windows Vista, Windows Vista 64-bit Edition

1 Click **Start** → **Control Panel** → **Hardware and Sound** → **Printers**.

2 Click **Add a Printer** to launch the **Add Printer wizard**.

3 Select **Add a network, wireless or Bluetooth printer**, and then click **Next**. If the printer is listed, select the printer and click **Next**, or select **The printer that I want isn't listed** and type in the path of the printer in the **Select a shared printer by name** text box and click **Next**.

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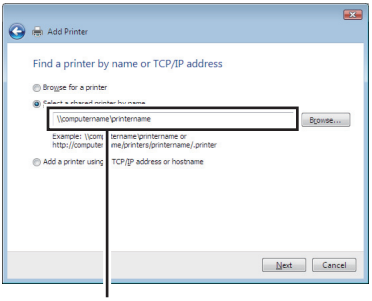

For example:\\<server host name>\<shared printer name>

The server host name is the name of the server computer that identifies it on the network. The shared printer name is the name assigned during the server installation process.

4 If this is a new printer, you may be prompted to install a printer driver. If no system driver is available, specify the location where the driver is available.

5 Select **Yes** if you want this printer to be set as the default printer, and then click **Next**.

6 If you want to verify installation, click **Print a test page**.

7 Click **Finish**.

When a test page is printed successfully, installation is complete.

For Windows Server 2008, Windows Server 2008 64-bit Edition

1 Click **Start** → **Control Panel** → **Printers**.

2 Click **Add a Printer** to launch the **Add Printer** wizard.

3 Select **Add a network, wireless or Bluetooth printer**, and then click **Next**. If the printer is listed, select the printer and click **Next**, or select **The printer that I want isn't listed** and type in the path of the printer in the **Select a shared printer by name** text box and click **Next**.

For example: \\<server host name>\<shared printer name>

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The server host name is the name of the server computer that identifies it on the network. The shared printer name is the name assigned during the server installation process.

4. If this is a new printer, you may be prompted to install a printer driver. If no system driver is available, specify the location where the driver is available.
5. Select **Yes** if you want this printer to be set as the default printer, and then click **Next**.
6. If you want to verify installation, click **Print a test page**.
7. Click **Finish**.

   When a test page is printed successfully, installation is complete.

For Windows 7, Windows 7 64-bit Edition, Windows Server 2008 R2

1. Click **Start** → **Devices and Printers**.
2. Click **Add a Printer** to launch the **Add Printer** wizard.
3. Select **Add a network, wireless or Bluetooth printer**. If the printer is listed, select the printer and click **Next**, or select **The printer that I want isn't listed**. Click **Select a shared printer by name** and type in the path of the printer in the text box, and then click **Next**.

   For example: `\\<server host name>\<shared printer name>`

   The server host name is the name of the server computer that identifies it to the network. The shared printer name is the name assigned during the server installation process.
4. If this is a new printer, you may be prompted to install a printer driver. If no system driver is available, you need to specify the path to the available drivers.
5. Confirm the printer name, and then click **Next**.
6. Select **Yes** if you want this printer to be set as the default printer, and then click **Next**.
7. If you want to verify installation, click **Print a test page**.
8. Click **Finish**.

   When a test page is printed successfully, installation is complete.

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9

Installing Printer Drivers on Computers Running Macintosh

Installing the Drivers and Software

1. Run the *Drivers and Utilities* CD on the Macintosh computer.
2. Double-click the **Dell 1350cnw Installer** icon, and then click **Continue**.
3. Click **Continue** on the **Introduction** screen.
4. Select a language for the Software License Agreement.
5. After reading the Software License Agreement, click **Continue**.
6. If you agree to the terms of the Software License Agreement, click **Agree** to continue the installation process.
7. Confirm the installation location, and then click **Continue**.
8. Click **Install** to perform the standard installation.

   If you choose the custom installation, click **Customize**, select the items that you want to install, and then click **Install**.

   - Printer Driver
   - Status Monitor Widget
9. Type the administrator's name and password, and then click **OK**.
10. Click **Install** to proceed with the installation.
11. Click **Close** to complete installation.

Adding a Printer on Mac OS X 10.5 or Later Version(s)

When Using a USB connection

1. Turn on the printer.
2. Connect the USB cable between the printer and Macintosh computer.
3. Open the **System Preferences**, and click **Print & Fax**.

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4 Click the Plus (+) sign, and click **Default**.

5 Select the printer connected via USB from the **Printer Name** list.

6 **Name** and **Print Using** are automatically entered.

7 Click **Add**.

When Using Bonjour

1 Turn on the printer.

2 Ensure that Macintosh computer and the printer are connected.

If you use wired connection, connect the LAN cable between the printer and the network.

If you use wireless connection, ensure that wireless connection is configured properly on your Macintosh computer and printer.

3 Open the **System Preferences**, and click **Print & Fax**.

4 Click the Plus (+) sign, and click **Default**.

5 Select the printer connected via Bonjour from the **Printer Name** list.

6 **Name** and **Print Using** are automatically entered.

7 Click **Add**.

When Using IP Printing

1 Turn on the printer.

2 Ensure that Macintosh computer and the printer are connected.

If you use wired connection, connect the LAN cable between the printer and the network.

If you use wireless connection, ensure that wireless connection is configured properly on your Macintosh computer and printer.

3 Open the **System Preferences**, and click **Print & Fax**.

4 Click the Plus (+) sign, and click **IP**.

5 Select **Line Printer Daemon - LPD** for **Protocol**.

6 Type the IP address for the printer in the **Address** area.

7 Select the model of your printer for **Print Using**.

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NOTE: When the printing is set up using IP printing, the queue name is displayed as blank. You do not need to specify it.

8 Click **Add**.

Adding a Printer on Mac OS X 10.4.11

When Using a USB Connection

1 Turn on the printer.

2 Connect the USB cable between the printer and Macintosh computer.

3 Start **Printer Setup Utility**.

NOTE: You can find **Printer Setup Utility** in the **Utilities folder** in **Applications**.

4 Click **Add**.

5 Click **Default Browser** in the **Printer Browser** dialog box.

6 Select the printer connected via USB from the Printer list.

7 **Name** and **Print Using** are automatically entered.

8 Click **Add**.

When Using Bonjour

1 Turn on the printer.

2 Ensure that Macintosh computer and the printer are connected.

If you use wired connection, connect the LAN cable between the printer and the network.

If you use wireless connection, ensure that wireless connection is configured properly on your Macintosh computer and printer.

3 Start the **Printer Setup Utility**.

NOTE: You can find **Printer Setup Utility** in the **Utilities folder** in **Applications**.

4 Click **Add**.

5 Click **Default Browser** in the **Printer Browser** dialog box.

6 Select the printer connected via Bonjour from the **Printer Name** list.

7 **Name** and **Print Using** are automatically entered.

8 Click **Add**.

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When Using IP Printing

1. Turn on the printer.
2. Ensure that Macintosh computer and the printer are connected.

   If you use wired connection, connect the LAN cable between the printer and the network.

   If you use wireless connection, ensure that wireless connection is configured properly on your Macintosh computer and printer.
3. Start **Printer Setup Utility**.

   NOTE: You can find **Printer Setup Utility** in the **Utilities folder** in **Applications**.
4. Click **Add**.
5. Click **IP Printer** in the **Printer Browser** dialog box.
6. Select **Line Printer Daemon - LPD** for **Protocol**.
7. Type the IP address for the printer in the **Address** area.
8. Select **the model of your printer** for **Print Using**.

   NOTE: When the printing is set up using IP printing, the queue name is displayed as blank. You do not need to specify it.
9. Click **Add**.

Adding a Printer on Mac OS X 10.3.9

When Using a USB connection

1. Turn on the printer.
2. Connect the USB cable between the printer and the Macintosh computer.
3. Start **Printer Setup Utility**.

   NOTE: You can find **Printer Setup Utility** in the **Utilities folder** in **Applications**.
4. Click **Add**.
5. Select **USB** from the menu.
6. The **Printer Model** is automatically selected.
7. Click **Add**.

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When Using Rendezvous (Bonjour)

1. Turn on the printer.
2. Ensure that Macintosh computer and the printer are connected.

   If you use wired connection, connect the LAN cable between the printer and the network.

   If you use wireless connection, ensure that wireless connection is configured properly on your Macintosh computer and printer.
3. Start **Printer Setup Utility**.

   NOTE: You can find **Printer Setup Utility** in the **Utilities folder** in **Applications**.
4. Click **Add** in the **Printer List** dialog box.
5. Select **Rendezvous** from the menu.
6. Select **Dell** for **Printer Model**, and select the model of your printer.
7. Click **Add**.

When Using IP Printing

1. Turn on the printer.
2. Ensure that Macintosh computer and the printer are connected.

   If you use wired connection, connect the LAN cable between the printer and the network.

   If you use wireless connection, ensure that wireless connection is configured properly on your Macintosh computer and printer.
3. Start **Printer Setup Utility**.

   NOTE: You can find **Printer Setup Utility** in the **Utilities folder** in **Applications**.
4. Click **Add** in the **Printer List** dialog box.
5. Select **IP Printing** from the menu.
6. Select **LPD/LPR** for **Printer Type**.
7. Type the IP address for the printer in the **Address** area.
8. Select **Dell** for **Printer Model**, and select the model of your printer.

   NOTE: When the printing is set up using IP printing, the queue name is displayed as blank. You do not need to specify it.

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9 Click **Add**.

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Using Your Printer

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10

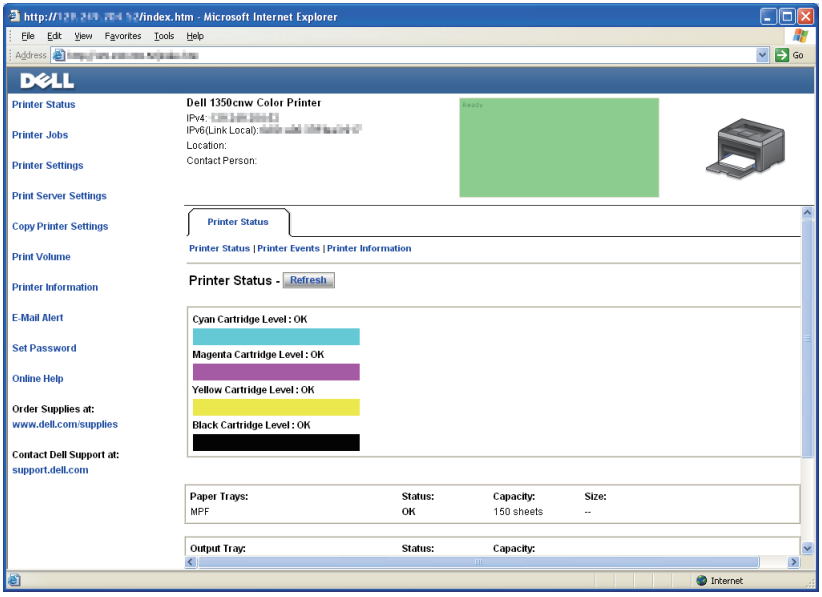
Dell Printer Configuration Web Tool

Overview

NOTE: This web tool is available only when the printer is connected to a network.

One of the features of the **Dell™ Printer Configuration Web Tool** is the E-Mail Alert Setup, which sends an e-mail to you or the key operator when the printer needs supplies or intervention.

To fill out printer inventory reports requiring the asset tag number of all the printers in your area, use the **Printer Information** feature in the **Dell Printer Configuration Web Tool**. Enter the IP address of each printer on the network to display the asset tag number.



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The **Dell Printer Configuration Web Tool** feature also allows you to change the printer settings and keep track of printing trends. If you are a network administrator, you can copy the printer settings to one or all printers on the network using your web browser.

To launch the **Dell Printer Configuration Web Tool**, enter the IP address of your printer in your web browser.

If you do not know the IP address of your printer, print the printer settings page, or display the **TCP/IP Settings** page, which lists the IP address.

The Operator Panel

1. Press the (**Menu**) button.
2. Ensure that `Report/List` appears, and then press the ✓ button.
3. Ensure that `Printer Setting` appears, and then press the ✓ button.

   The printer settings page is printed.
4. Confirm the IP address next to **IP Address** under **Network** on the printer settings page.

   If the IP address is `0.0.0.0`, wait for a few minutes to resolve the IP address automatically, and then print the printer settings page again.

   If the IP address is not resolved automatically, see "Assigning an IP Address (for IPv4 mode)" on page 39.

The Tool Box

NOTE: When the printer is connected to the USB port, **TCP/IP Settings** cannot be displayed.

NOTE:

1. Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

   NOTE: When multiple printer drivers are installed on your computer, the **Select Printer** window appears. In this case, click the name of Dell 1350cnw Color Printer listed in **Printer Name**, and then click **OK**.

   The **Tool Box** opens.
2. Click the **Printer Setting Report** tab.
3. Select **TCP/IP Settings** from the list at the left side of the page.

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The **TCP/IP Settings** page is displayed.

If the IP address shows `0.0.0.0` (the factory default) or `169.254.xx.xx`, an IP address has not been assigned. To assign an IP address for your printer, see "Assigning an IP Address (for IPv4 mode)" on page 39.

Using the Dell Printer Configuration Web Tool

Use the **Dell Printer Configuration Web Tool** for:

Printer Status

Use the **Printer Status** menu to get feedback on the printer status. When a toner cartridge is running low, click the order supplies link on the first screen to order an additional toner cartridge.

Printer Jobs

Use the **Printer Jobs** menu to contain information on the **Job List** page and **Completed Jobs** page.

These pages show the details of the status regarding each protocol or job.

Printer Settings

Use the **Printer Settings** menu to change printer settings and view the settings in the operator panel remotely.

Print Server Settings

Use the **Print Server Settings** menu to change the type of printer interface and necessary conditions for communications.

Copy Printer Settings

Use the **Copy Printer Settings** menu to copy the printer settings to another printer or printers on the network by entering the IP address of each printer.

NOTE: You must log in as an administrator to use this feature.

Print Volume

Use the **Print Volume** option to check the number of pages printed for each paper size.

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Printer Information

Use the **Printer Information** menu to display the information of your printer.

E-Mail Alert

Use the **E-Mail Alert** menu to receive an e-mail when the printer needs supplies or intervention. Enter your name or the key operator name in the e-mail list box to be notified.

Set Password

Use the **Set Password** menu to lock the **Dell Printer Configuration Web Tool** with a password so that other users do not inadvertently change the printer settings you selected.

NOTE: You must log in as an administrator to use this feature.

Online Help

Click **Online Help** to visit the Dell Support web site.

Order Supplies at:

www.dell.com/supplies

Contact Dell Support at:

support.dell.com

Setting Up the Dell Printer Configuration Web Tool

Ensure that you activate JavaScript in your browser before using the **Dell Printer Configuration Web Tool**.

It is recommended that you configure the environment settings of your web browser before using the **Dell Printer Configuration Web Tool**.

NOTE: The Dell Printer Configuration Web Tool pages may be unreadable if the language differs from that of your web browser.

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Setting Up From Web Browser

It is recommended that you configure both the environment settings of your web browser and the operator panel before using the **Dell Printer Configuration Web Tool**.

For Internet Explorer® 6.0, Internet Explorer 7.0, Internet Explorer 8.0

Setting Up the Display Language

1. Select **Internet Options** from **Tools** on the menu bar.
2. Select **Languages** in the **General** tab.
3. Specify the display language in order of preference in the **Language** list.

   For example:

   - Italian (Italy) [it-IT]
   - Spanish (Traditional Sort) [es-ES tradnl]
   - German (Germany) [de-DE]
   - French (France) [fr-FR]
   - English (United States) [en-us]
   - Danish [da-DK]
   - Dutch (Netherlands) [nl-NL]
   - Norwegian (Bokmal) [no]
   - Swedish [sv-SE]

Setting the IP Address of the printer to Non-Proxy

1. Select **Internet Options** from the **Tools** menu.
2. Click **LAN Settings** under **Local Area Network (LAN) settings** in the **Connections** tab.
3. You can configure the LAN settings in one of the following ways:
   - Clear the **Use a proxy server for your LAN** check box under **Proxy server**.
   - Click **Advanced**, and then specify the IP address of your printer in the **Do not use proxy server for addresses beginning with** field under **Exceptions**.

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After setting the language and proxy, enter <http://nnn.nnn.nnn.nnn/> (the IP address of your printer) in the URL entry field of the browser to activate the **Dell Printer Configuration Web Tool**.

For Firefox 2.0 or Later

Setting Up the Display Language

1. Select **Options** from the **Tools** menu.
2. Click **Advanced**.
3. When you use Firefox 2.0, click **Choose** in the **General** tab. When you use Firefox 3.0, click **Choose** in the **Content** tab.
4. Specify the display language in order of preference in the **Languages in order of preference** list.

   For example:

   - **English [en]** or **English/United States [en-us]**
   - **Italian [it]**
   - **Spanish [es]**
   - **German [de]**
   - **French [fr]**
   - **Dutch [nl]**
   - **Norwegian [no]**
   - **Swedish [sv]**
   - **Danish [da]**

Setting the IP Address of the printer to Non-Proxy

1. Select **Options** from the **Tools** menu.
2. Click **Advanced** tab.
3. Click **Network** on the **Options** dialog box.
4. Click **Connection** → **Settings**.
5. When you use Firefox 2.0, do one of the following:
   - Select the **Direct connection to the Internet** check box.

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- Select the **Auto-detect proxy settings for this network** check box.
- Select the **Manual proxy configuration** check box, and then enter the IP address of your printer in the **No Proxy for** edit box.
- Select the **Automatic proxy configuration URL** check box.

When you use Firefox 3.0, do one of the following:

- Select the **No Proxy** check box, if you do not want to use a proxy.
- Select the **Auto-detect proxy settings for this network** check box.
- Select the **Manual proxy configuration** check box, and then enter a hostname and a port number if you have a list of one or more proxy servers. If you have an IP address that does not use a proxy, enter the IP address of your printer in the **No Proxy for** edit box.
- Select the **Automatic proxy configuration URL** check box.

After setting the language and proxy, enter `<http://nnn.nnn.nnn.nnn/>` (the IP address of your printer) in the URL entry field of the browser to activate the **Dell Printer Configuration Web Tool**.

Setting Up From Operator Panel

You can launch the **Dell Printer Configuration Web Tool** only when `EWS` is set to `Enable` (the factory default) on the operator panel. Check the operator panel setting if you cannot launch the **Dell Printer Configuration Web Tool**. For more information, see "Understanding the Printer Menus" on page 215.

Page Display Format

The layout of the page is divided into three sections.

Top Frame

The top frame is located on the top of all pages. When the **Dell Printer Configuration Web Tool** is activated, the current status and specifications of the printer are displayed in the top frame on every page.

The following items are displayed in the top frame.

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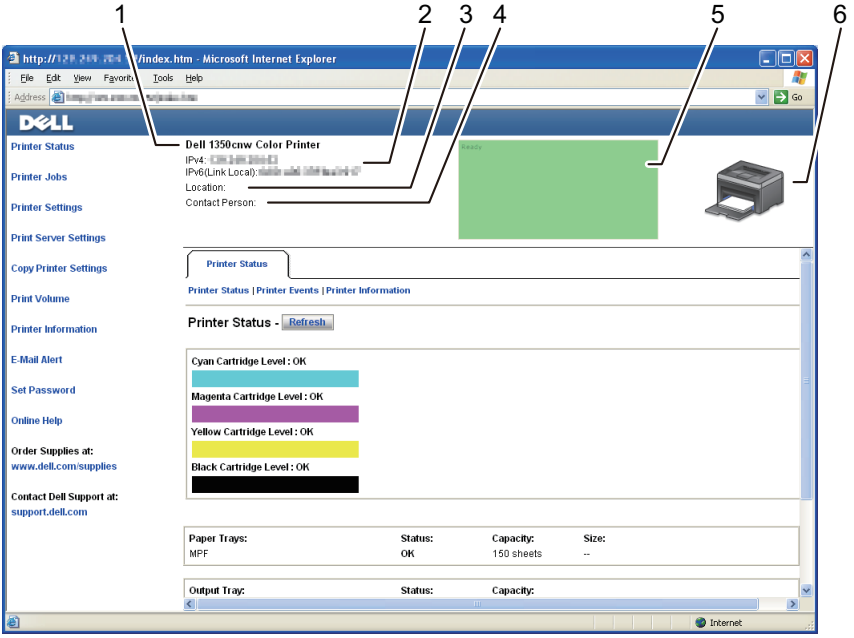

1	**Dell 1350cnw Color Printer**	Displays the printer model name.
2	**IP Address**	Displays the IP address of your printer.
3	**Location**	Displays the location of the printer. The location can be changed in the **Basic Information** on the **Print Server Settings** page.
4	**Contact Person**	Displays the administrator name of the printer. The name can be changed in the **Basic Information** on the **Print Server Settings** page.
5	**Event Panel**	Displays the condition of the printer. If an error occurs, the error code and message are displayed. For example, 077-090:Paper jam. Open...
6	**Printer Bitmap**	Shows the bitmap image of the printer. The **Printer Status** menu appears in the right frame when you click the image.

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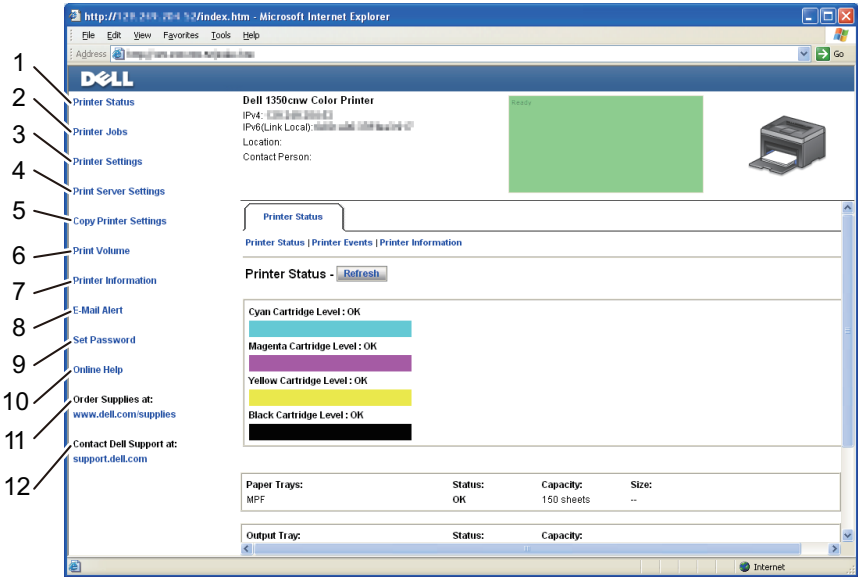
Left Frame

The left frame is located on the left side of all pages. The menu titles displayed in the left frame are linked to corresponding menus and pages. You can go to the corresponding page by clicking their characters.

The following menus are displayed in the left frame.



1	**Printer Status**	Links to the **Printer Status** menu.
2	**Printer Jobs**	Links to the **Printer Jobs** menu.
3	**Printer Settings**	Links to the **Printer Settings Report** menu.
4	**Print Server Settings**	Links to the **Print Server Reports** menu.
5	**Copy Printer Settings**	Links to the **Copy Printer Settings** menu.
6	**Print Volume**	Links to the **Print Volume** menu.
7	**Printer Information**	Links to the **Printer Status** menu.

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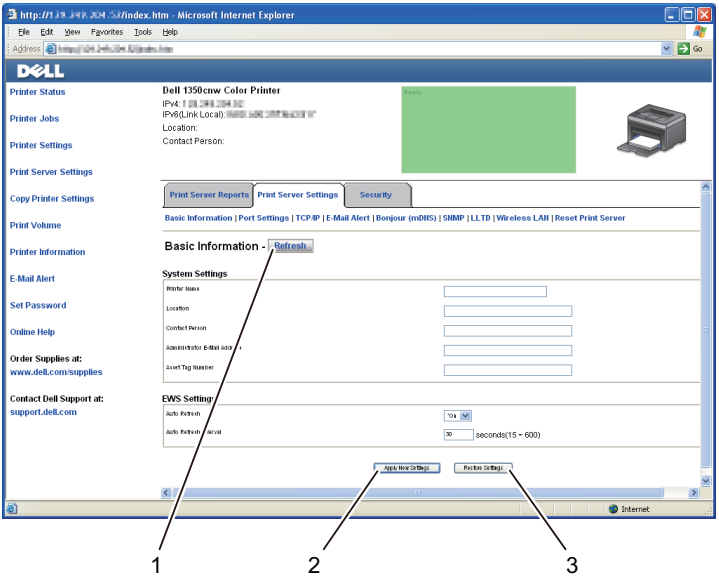
8	**E-Mail Alert**	Links to the **Print Server Settings** menu.
9	**Set Password**	Links to the **Security** menu.
10	**Online Help**	Links to the Dell Support website.
11	**Order Supplies at:**	Links to the Dell web page.
12	**Contact Dell Support at:**	Links to the Dell support page web address: **support.dell.com**

Right Frame

The right frame is located on the right side of all pages. The contents of the right frame correspond to the menu that you select in the left frame. For details on the items displayed in the right frame, see "Details of the Menu Items" on page 119.

Buttons in the Right Frame



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1	**Refresh button**	Receives the current printer configuration and updates the latest information in the right frame.
2	**Apply New Settings button**	Submits new settings made on the **Dell Printer Configuration Web Tool** to the printer. The new settings replace the old settings of the printer.
3	**Restore Settings button**	Restores the old settings. New settings will not be submitted to the printer.

Changing the Settings of the Menu Items

Some menus allow you to change the printer settings access through the **Dell Printer Configuration Web Tool**. When you access these menus, the authentication window appears on the screen. Enter a user name and password of the administrator by following the prompts displayed in the dialog box.

The default user name is **admin**, and the default password is left blank (NULL). You can change only the password in the **Set Password** page in the **Security** menu. For more information, see "Set Password" on page 151.

Details of the Menu Items

"Printer Status"	"Printer Status"
	"Printer Events"
	"Printer Information"
"Printer Jobs"	"Job List"
	"Completed Jobs"

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"Printer Settings"	"Printer Settings Report"	"Menu Settings"
		"Reports"
	"Printer Settings"	"System Settings"
		"USB Settings"
		"Secure Settings"
	"Printer Maintenance"	"Paper Density"
		"Adjust BTR"
		"Adjust Fuser"
		"Auto Registration Adjustment"
		"Color Registration Adjustments"
		"Clean Developer"
		"BTR Refresh"
		"Maintenance Chart"
		"Reset Defaults"
		"Non-Dell Toner"
		"Adjust Altitude"
		"Web Link Customization"
"Print Server Settings"	"Print Server Reports"	"Print Server Setup Page"
		"E-Mail Alert Setup Page"
	"Print Server Settings"	"Basic Information"
		"Port Settings"
		"TCP/IP"
		"E-Mail Alert"
		"Bonjour (mDNS)"
		"SNMP"
		"LLTD"
		"Wireless LAN"*1
		"Reset Print Server"
	"Security"	"Set Password"
		"IP Filter (IPv4)"

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"Copy Printer Settings"	"Copy Printer Settings"
	"Copy Printer Settings Report"
"Print Volume"	"Print Volume"

*1 This item is available only when the printer is connected with a wireless network.

Printer Status

Use the **Printer Status** menu to check the status of consumables, hardware, and specifications of the printer.

The following pages are displayed in the **Printer Status** menu.

Printer Status

Purpose:

To check the status of the consumables and trays.

Values:

Cyan Cartridge Level **Magenta Cartridge Level** **Yellow Cartridge Level** **Black Cartridge Level**			Displays the percentage of toner remaining in each toner cartridge. When a cartridge is empty, a message appears. The text *Call or Order* is linked to the Dell Printer Supplies website.
Paper Trays	**Status**	**OK**	Indicates that there is some paper in the tray but the quantity is unknown.
		Add Paper	Indicates that there is no paper in the tray.
	Capacity		Displays the maximum capacity of the output tray.
	Size		Displays the size of paper in the tray.
Output Tray	**Status**	**OK**	Indicates that the tray is available.
	Capacity		Displays the maximum capacity of the output tray.
Cover	**Status**	**Closed**	Indicates that the cover is closed.
		Open	Indicates that the cover is open.
Printer Type			Displays the type of the printer. **Color Laser** is displayed normally.

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Printing Speed	Displays the printing speed.

Printer Events

Purpose:

When faults such as *Out of Paper* or *Rear Cover is Open* occur, the details of all alerts or indications of faults are displayed in the **Printer Events** page.

Values:

Location	Displays the location where the error occurred.
Details	Displays the details of the error.

Printer Information

Purpose:

To display the system information of the printer. This page can also be displayed by clicking **Printer Information** in the left frame.

Values:

Dell Service Tag Number		Displays Dell's service tag number.
Express Service Code		Displays the express service code of the printer.
Asset Tag Number		Displays the asset tag number of the printer.
Printer Serial Number		Displays the serial number of the printer.
Memory Capacity		Displays the memory capacity.
Processor Speed		Displays the processing speed.
Printer Revision Levels	**Firmware Version**	Displays the version of the controller.
	Network Firmware Version	Displays the NIC version.

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Printer Jobs

The **Printer Jobs** menu contains information on the **Job List** and **Completed Jobs** pages. These pages show the details of the status regarding each protocol or the print jobs.

Job List

Purpose:

To confirm the print jobs that are being processed. Click the **Refresh** button to update the screen.

Values:

ID	Displays the job ID.
Job Name	Displays the file name of the job being printed.
Owner	Displays the name of the job owner.
Host Name	Displays the name of the host computer.
Job Status	Displays the status of the job being printed.
Host I/F	Displays the status of the host interface.
Job Submitted Time	Displays the date when the print job was submitted.

Completed Jobs

Purpose:

To check the completed jobs. Up to 10 latest print jobs are displayed. Click the **Refresh** button to update the screen.

Values:

ID	Displays the job ID.
Job Name	Displays the file name of the job.
Owner	Displays the name of the job owner.
Host Name	Displays the name of the host computer.
Output Result	Displays the status of the job.

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Impression Number	Displays the total number of pages used by the print job.
No. of Sheets	Displays the total number of sheets used by the print job.
Host I/F	Displays the status of the host interface.
Job Submitted Time	Displays the date when the job was submitted.

Printer Settings

Use the **Printer Settings** menu to display the **Printer Settings Report** and to configure the printer settings.

The following tabbed pages are displayed at the top of the right frame.

Printer Settings Report

The **Printer Settings Report** tab contains the **Menu Settings** and **Reports** pages.

Menu Settings

Purpose:

To display the current settings of your printer.

Values:

System Settings	**Power Saver Time - Sleep**	Displays the time taken by the printer before it enters Sleep mode after it finishes a job.
	Power Saver Time - Deep Sleep	Displays the time taken by the printer before it enters Deep Sleep mode after it goes into Sleep mode.
	Fault Time-Out	Displays the time taken by the printer before it cancels jobs that stop abnormally.
	Job Time-Out	Displays the amount of time that the printer waits for data to arrive from the computer.
	mm/inch	Displays the measurement unit used after the numeric value on the operator panel.
	Default Paper Size	Displays the default paper size.

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	Auto Log Print	Displays whether to automatically print a job history report after every 10 jobs.
	Low Toner Alert Msg	Displays whether to show the alert message when the toner is low.
	Panel Language	Displays the language used on the operator panel.
USB Settings	**USB Port**	Displays whether the USB interface is enabled.
Secure Settings	**Panel Lock Set**	Displays whether to limit access to the menus with a password.
	Login Error - Attempts	Displays the maximum number that the administrator fails to log in.
Paper Density	**Plain**	Displays the paper density of plain paper.
	Label	Displays the paper density of labels.
Adjust BTR	**Plain**	Displays the voltage setting of the transfer roller for plain paper.
	Plain Thick	Displays the voltage setting of the transfer roller for thick plain paper.
	Covers	Displays the voltage setting of the transfer roller for cover paper.
	Label	Displays the voltage setting of the transfer roller for labels.
	Coated	Displays the voltage setting of the transfer roller for coated paper.
	Envelope	Displays the voltage setting of the transfer roller for envelopes.
	Recycled	Displays the voltage setting of the transfer roller for recycled paper.

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Adjust Fuser	**Plain**	Displays the temperature setting of the fuser for plain paper.
	Plain Thick	Displays the temperature setting of the fuser for thick plain paper.
	Covers	Displays the temperature setting of the fuser for cover paper.
	Label	Displays the temperature setting of the fuser for labels.
	Coated	Displays the temperature setting of the fuser for coated paper.
	Envelope	Displays the temperature setting of the fuser for envelopes.
	Recycled	Displays the temperature setting of the fuser for recycled paper.
Auto Registration Adjustment		Displays whether to automatically adjust color registration.
Adjust Altitude		Displays the altitude of the location where the printer is installed.
BTR Refresh		Displays whether to execute counter measures for curling/separating discharge of the paper.
Non-Dell Toner		Displays whether to use toner cartridge of another manufacturer.
Web Link Customization	**Select Reorder URL**	Displays a link used for ordering consumables, which can be accessed from **Order Supplies at:** in the left frame.
	Regular	Displays the regular web address (**http://accessories.us.dell.com/sna**) that can be linked to **Order Supplies at:**
	Premier	Displays the premier web address (**http://premier.dell.com**) that can be linked to **Order Supplies at:**

Reports

Purpose:

To print the settings and history information of your printer.

Values:

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Printer Settings	Click the **Start** button to print the printer settings page.
Device Settings	Click the **Start** button to print the device settings page.
Job History	Click the **Start** button to print the Job History report.
Error History	Click the **Start** button to print the Error History report.
Color Test Page	Click the **Start** button to print the Color Test Page.

Printer Settings

The **Printer Settings** tab contains the **System Settings**, **USB Settings**, and **Secure Settings** pages.

System Settings

Purpose:

To configure the basic printer settings.

Values:

Power Saver Time - Sleep[*1]	Specifies the time taken by the printer before it enters Sleep mode after it finishes a job.
Power Saver Time - Deep Sleep	Specifies the time taken by the printer before it enters Deep Sleep mode after it goes into Sleep mode.
Fault Time-Out	Specifies the time taken by the printer before it cancels jobs that stop abnormally. The print job is cancelled if it times out.
Job Time-Out	Specifies the amount of time that the printer waits for data to arrive from the computer. The print job is cancelled if it times out.
mm / inch[*2]	Specifies the measurement unit displayed after the numeric value on the operator panel.
Default Paper Size	Specifies the default paper size.
Auto Log Print	Specifies if a job history needs to be printed after every 10 jobs.
Low Toner Alert Msg	Alerts you if the toner is low.
Panel Language	Used to set the language on the operator panel.

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*1 Enter 5 in **Sleep** to put the printer in the Sleep mode five minutes after it finishes a job. This uses less energy, but requires more warm-up time for the printer. Enter 5 if your printer shares an electrical circuit with room lighting and you notice lights flickering.
Select a high value if your printer is in constant use. In most circumstances, this keeps the printer ready to operate with minimum warm-up time. Select a value between 5 and 30 minutes for the Sleep mode if you want a balance between energy consumption and a shorter warm-up period.
The printer automatically returns to the standby mode from the Sleep mode when it receives data from the computer. You can also return the printer to the standby mode by pressing any button on the operator panel.

*2 The default for **mm/inch** and **Default Paper Size** vary depending on country-specific factory default.

USB Settings

Purpose:

To change the USB settings on your printer.

Values:

USB Port	To enable the USB interface on your printer.

Secure Settings

Panel Lock

Purpose:

To restrict access to `Admin Menu` and `Report/List` with a password, and to set or change the password.

Values:

Panel Lock Set	Restricts access to `Admin Menu` and `Report/List` with a password.
New Password	Sets a password required to access `Admin Menu` and `Report/List`.
Re-enter Password	Enter the new password again to confirm.

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NOTE: This menu sets a password to lock the operator panel. When you change the password for the **Dell Printer Configuration Web Tool**, click **Set Password** on the left frame and set the password.

Login Error

Purpose:

To set the maximum number of failed login attempts before an administrator is denied access to `Admin Menu` and `Report/List`.

NOTE: This item is available only when **Panel Lock Set** is set to **Enable**.

Printer Maintenance

The **Printer Maintenance** tab contains the **Paper Density**, **Adjust BTR**, **Adjust Fuser**, **Auto Registration Adjustment**, **Color Registration Adjustments**, **Clean Developer**, **BTR Refresh**, **Maintenance Chart**, **Reset Defaults**, **Non-Dell Toner**, **Adjust Altitude**, and **Web Link Customization** pages.

Paper Density

Purpose:

To specify the paper density.

Values:

Plain	Sets the paper density of plain paper.
Label	Sets the paper density of labels.

Adjust BTR

Purpose:

To specify the optimum voltage settings for printing for the transfer roller (BTR). To lower the voltage, set negative values. To increase, set positive values.

The default settings may not give the best output on all paper types. If you see mottles on the print output, try to increase the voltage. If you see white spots on the print output, try to decrease the voltage.

NOTE: The print quality changes depending on the values you select for this item.

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Values:

Plain	Sets the reference voltage setting for the transfer roller for plain paper within the range of -3 to 3.
Plain Thick	Sets the reference voltage setting for the transfer roller for thick plain paper within the range of -3 to 3.
Covers	Sets the reference voltage setting for the transfer roller for cover paper within the range of -3 to 3.
Label	Sets the reference voltage setting for the transfer roller for labels within the range of -3 to 3.
Coated	Sets the reference voltage setting for the transfer roller for coated paper within the range of -3 to 3.
Envelope	Sets the reference voltage setting for the transfer roller for envelopes within the range of -3 to 3.
Recycled	Sets the reference voltage setting for the transfer roller for recycled paper within the range of -3 to 3.

Adjust Fuser

Purpose:

To specify the optimum temperature settings for printing for the fuser. To lower the temperature, set negative values. To increase, set positive values.

The default settings may not give the best output on all paper types. When the printed paper has curled, try to lower the temperature. When the toner does not fuse on the paper properly, try to increase the temperature.

NOTE: The print quality changes depending on the values you select for this item.

Values:

Plain	Sets the temperature settings for the fuser for plain paper within the range of -3 to 3.
Plain Thick	Sets the temperature settings for the fuser for thick plain paper within the range of -3 to 3.
Covers	Sets the temperature settings for the fuser for cover paper within the range of -3 to 3.

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Label	Sets the temperature settings for the fuser for labels within the range of -3 to 3.
Coated	Sets the temperature settings for the fuser for coated paper within the range of -3 to 3.
Envelope	Sets the temperature settings for the fuser for envelopes within the range of -3 to 3.
Recycled	Sets the temperature settings for the fuser for recycled paper within the range of -3 to 3.

Auto Registration Adjustment

Purpose:

To specify whether to automatically adjust color registration.

Color Registration Adjustments

Purpose:

To specify whether to manually adjust color registration.

Color registration adjustments need to be made during the initial setup of the printer or when the printer is moved to a different location.

NOTE: The **Color Registration Adjustments** feature can be configured when **Auto Registration Adjustment** is set to **Off**.

Values:

Auto Correct	Click **Start** to automatically correct color registration.
Color Regi Chart	Click **Start** to print a color registration chart. The color registration chart prints a lattice pattern of yellow, magenta, and cyan lines. On the chart, find the values on the right side that are next to the line that is perfectly straight for each of the three colors. If the value for this line is 0, color registration is not needed. If the value for this line is any value other than 0, specify the adjustment values under **Color Registration Adjustments**.

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Color Registration Adjustments	**Enter Number**	Specifies lateral (perpendicular to paper feed direction) and process (paper feed direction) color adjustment values individually for Y (Yellow), M (Magenta), C (Cyan), LY (Left Yellow), LM (Left Magenta), LC (Left Cyan), RY (Right Yellow), RM (Right Magenta), and RC (Right Cyan) within the range of -5 to +5.

Clean Developer

Purpose:

To rotate the developer motor and stir the toner in the toner cartridge, to use up a toner cartridge when you need to replace it before the end of its life, or to stir the toner in a new toner cartridge.

Values:

Clean Developer	Click **Start** to stir the toner in the toner cartridge.
Yellow Toner Refresh	Click **Start** to clean the toner in the yellow toner cartridge.
Magenta Toner Refresh	Click **Start** to clean the toner in the magenta toner cartridge.
Cyan Toner Refresh	Click **Start** to clean the toner in the cyan toner cartridge.
Black Toner Refresh	Click **Start** to clean the toner in the black toner cartridge.

BTR Refresh

Purpose:

To specify whether to automatically execute counter measures for curling/separating discharge of the paper.

Maintenance Chart

Purpose:

To print various charts that can be used for diagnosing your printer.

Values:

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Ghost	Click **Start** to print a chart to check for ghost printing.
4Colors	Click **Start** to print bands of yellow, magenta, cyan, and black with varying density.
Alignment	Click **Start** to print a chart, and then check for proper alignment of the print image on the paper.
Drum Refresh	Click **Start** to print a chart to check the light fatigue of the drum cartridge.

Reset Defaults

Purpose:

To initialize NVM (non-volatile memory) for system parameters. After executing this function and rebooting the printer, all the menu parameters, except the parameters for the network, are reset to their default values.

Values:

Reset Defaults and restart printer.	Click **Start** to initialize the system parameters.

Non-Dell Toner

Purpose:

To use toner cartridge of another manufacturer.

NOTE: Using non-Dell-brand toner cartridges may make some printer features unusable, reduce print quality and decrease the reliability of your printer. Dell recommends only new Dell-brand toner cartridges for your printer. Dell does not provide warranty coverage for problems caused by using accessories, parts, or components not supplied by Dell.

NOTE: Before you use toner cartridge of another manufacturer, be sure to restart the printer.

Adjust Altitude

Purpose:

To specify the altitude of the location where the printer is installed.

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The discharge phenomenon for charging the photo conductor varies with barometric pressure. Adjustments are performed by specifying the altitude of the location where the printer is being used.

NOTE: An incorrect altitude adjustment setting leads to poor printing quality, incorrect indication of remaining toner.

Web Link Customization

Purpose:

To specify a link used for ordering consumables, which can be accessed from **Order Supplies at:** in the left frame.

Values:

Select Reorder URL	Select **Regular** or **Premier** web address to be linked to **Order Supplies at:**
Regular	Displays the regular web address (**http://accessories.us.dell.com/sna**) that can be linked to **Order Supplies at:**
Premier	Displays the premier web address (**http://premier.dell.com**) that can be linked to **Order Supplies at:**

Print Server Settings

Use the **Print Server Settings** menu to set the type of printer interface and necessary conditions for communications.

The following tabbed pages are displayed in the top of the right frame.

Print Server Reports

The **Print Server Reports** tab contains the **Print Server Setup Page** and **E-Mail Alert Setup Page**.

Print Server Setup Page

Purpose:

To verify the current settings of TCP/IP (Transmission Control Protocol/Internet Protocol) and printing ports. On this page, you can only verify the settings of items. If you want to change the settings, go to the pages in the **Print Server Settings** tab.

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Values:

Ethernet [*1]	**Ethernet Settings**	Displays the current settings of Ethernet transmission rate and the duplex settings.
	Current Ethernet Settings	Displays the current Ethernet settings.
	MAC Address	Displays the Media Access Control (MAC) address of the printer.
Wireless Settings [*2]	**Wireless LAN**	Displays whether to enable wireless connection.
	SSID	Displays the name that identifies the network.
	Network Type	Displays the network type from either the Ad-Hoc or Infrastructure mode.
	MAC Address	Displays the MAC address of the wireless printer setting.
	Link Channel	Displays the channel number of the connection.
	Link Quality	Displays the quality of the connection.

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TCP/IP Settings	**IP Mode**	Displays the IP mode.	
	Host Name	Displays the host name.	
	IPv4[*3]	**IP Address Mode**	Displays the IP address mode.
		IP Address	Displays the IP address.
		Subnet Mask	Displays the subnet mask.
		Gateway Address	Displays the gateway address.
	IPv6[*4]	**Enable Stateless Address**	Displays whether to enable the stateless address.
		Use Manual Address	Displays whether to set the IP address manually.
		Manual Address[*5]	Displays the IP address.
		Stateless Address 1-3[*6]	Displays the stateless addresses.
		Link Local Address[*6]	Displays the link local address.
		Manual Gateway Address[*5]	Displays the gateway address.
		Auto Configure Gateway Address[*6]	Displays the gateway address.

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DNS	**IPv4**[*3]	**Get DNS Server Address from DHCP**	Displays if the printer receives the DNS server address automatically from the DHCP server.
		Current DNS Server Address	Displays the DNS server address.
	IPv6[*4]	**Get DNS Server Address from DHCPv6-lite**	Displays if the printer receives the DNS server address automatically from the DHCPv6-lite server.
		Current DNS Server Address	Displays the DNS server address.
		Priority to IPv6 DNS Name Resolution[*7]	Displays whether to use the DNS Name Resolution feature.
LPD	**Port Status**	Displays the port status.	
	Connection Time-Out	Displays the connection time-out period.	
Port9100	**Port Status**	Displays the port status.	
	Port Number	Displays the port number.	
	Connection Time-Out	Displays the connection time-out period.	
WSD	**Port Status**	Displays the WSD (Web Services on Devices) port status.	
	Port Number	Displays the WSD port number.	
	Receive Time-Out	Displays the receive time-out period.	
	Notification Time-Out	Displays the notification time-out period.	
	Maximum Number of TTL	Displays the maximum number of TTLs.	
	Maximum Number of Notification	Displays the maximum number of notifications.	

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HTTP	**Port Status**	Displays the port status.
	Port Number	Displays the port number.
	Simultaneous Connections	Displays the number of connections received simultaneously by the client.
	Connection Time-Out	Displays the connection time-out period.
Bonjour (mDNS)	**Port Status**	Displays the port status.
	Host Name	Displays the host name.
	Printer Name	Displays the printer name.
SNMP	**Port Status**	Displays the port status.
LLTD	**Port Status**	Displays the port status.
IP Filter (IPv4) *8	**Address**	Displays the list of IP addresses that are permitted or denied access to the printer.
	Address Mask	Displays the list of subnet mask that are permitted or denied access to the printer.
	Active Mode	Displays whether to be permitted or denied access to the printer.

*1 This item is displayed only when the printer is connected with a wired network.

*2 This item is displayed only when the printer is connected with a wireless network.

*3 This item is displayed when IPv4 or Dual Stack Mode is selected.

*4 This item is displayed when IPv6 or Dual Stack Mode is selected.

*5 This item is displayed only when **Use Manual Address** is Enable.

*6 This item is displayed only when an IP address has been assigned.

*7 This item is available only when using IPv6 dual mode.

*8 This item is only available for LPD or Port9100.

E-Mail Alert Setup Page

Purpose:

To verify the current settings of SMTP/POP (Simple Mail Transfer Protocol/ Post Office Protocol) used for the e-mail feature and E-Mail Alerts feature. In this page, you can only verify the settings of items. If you want to change the settings, go to the pages in the **Print Server Settings** tab.

Values:

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E-Mail Server Settings	**Port Status**	Displays the port status.	
	Primary SMTP Gateway	Displays the primary SMTP gateway.	
	SMTP Port Number	Displays the SMTP port number.	
	E-Mail Send Authentication	Displays the authentication method for outgoing e-mail.	
	POP3 Server Address	Displays the POP3 server address.	
	POP3 Port Number	Displays the POP3 port number.	
	Reply Address	Displays the reply e-mail address sent with each E-mail Alert.	
	SMTP Server Connection	Displays the status of the SMTP server connection.	
E-Mail Alert Settings	**E-Mail List 1**	Displays the acceptable e-mail addresses for the E-Mail Alert feature specified in **E-mail List 1**.	
	Select Alerts for List 1	**Supplies Alerts**	Displays the e-mail alert receive status for consumables.
		Paper Handling Alerts	Displays the e-mail alert receive status for paper handling.
		Service Call	Displays the e-mail alert receive status for service calls.
	E-Mail List 2	Displays the acceptable e-mail addresses for the E-Mail Alert feature specified in **E-mail List 2**.	
	Select Alerts for List 2	**Supplies Alerts**	Displays the e-mail alert receive status for consumables.
		Paper Handling Alerts	Displays the e-mail alert receive status for paper handling.
		Service Call	Displays the e-mail alert receive status for service calls.

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Print Server Settings

The **Print Server Settings** tab contains the **Basic Information**, **Port Settings**, **TCP/IP**, **E-Mail Alert**, **Bonjour (mDNS)**, **SNMP**, **LLTD**, **Wireless LAN**, and **Reset Print Server** pages.

Basic Information

Purpose:

To configure the basic information of the printer.

Values:

System Settings	Printer Name	Specifies the name of the printer using up to 31 alphanumeric characters.
	Location	Specifies the location of the printer using up to 63 alphanumeric characters.
	Contact Person	Specifies the contact name, number, and other information of the administrator and service center using up to 63 alphanumeric characters.
	Administrator E-Mail Address	Specifies the contact address of the administrator and service center using up to 63 alphanumeric characters.
	Asset Tag Number	Enter the asset tag number for the printer.
EWS Settings	Auto Refresh	Automatically refreshes the contents of the status display pages.
	Auto Refresh Interval	Sets the time interval for refreshing the contents of the status display pages automatically from 15 to 600 seconds.

NOTE: The **Auto Refresh** feature is effective for the contents of the top frame, **Printer Status** page, **Job List** page, and **Completed Jobs** page.

Port Settings

Purpose:

To enable or disable printing connectors and management protocol features.

Values:

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Ethernet[*1]	**Ethernet Settings**	**Auto**	Detects Ethernet transmission rate and the duplex settings automatically.
		10Base-T Half-Duplex	Selects 10Base-T Half-Duplex as the default value.
		10Base-T Full-Duplex	Selects 10Base-T Full-Duplex as the default value.
		100Base-TX Half-Duplex	Selects 100Base-TX Half-Duplex as the default value.
		100Base-TX Full-Duplex	Selects 100Base-TX Full-Duplex as the default value.
	Current Ethernet Settings		Displays the current settings of Ethernet.
	MAC Address	Displays the MAC address of the printer.	
Port Status	**LPD**	Specifies whether to enable LPD.	
	Port9100	Specifies whether to enable Port9100.	
	WSD	Specifies whether to enable the WSD port.	
	Bonjour (mDNS)	Specifies whether to enable the Bonjour(mDNS) feature.	
	E-Mail Alert	Specifies whether to enable the **E-Mail Alert** feature.	
	SNMP	Specifies whether to enable the SNMP.	
	LLTD	Specifies whether to enable LLTD.	

[*1] This item is available only when the printer is connected with a wired network.

NOTE: The settings in the **Port Settings** page will be valid only when the printer is rebooted. When you change or configure the settings, click the **Apply new settings** button to apply new settings.

TCP/IP

Purpose:

To configure the IP address, subnet mask, and gateway address of the printer.

Values:

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TCP/IP Settings	**IP Mode**	Specifies the IP mode.	
	Host Name	Specifies the host name.	
	IPv4	**IP Address Mode**	Selects the IP address mode.
		Manual IP Address	Manually sets the IP address.
		Manual Subnet Mask	Manually sets the subnet mask.
		Manual Gateway Address	Manually sets the gateway address.
	IPv6	**Enable Stateless Address**	To enable the stateless address.
		Use Manual Address	To set the IP address manually.
		Manual Address	Manually sets the IP address. To specify an IPv6 address, enter the address. Followed by a slash (/) and then "64". For details, consult your system administrator.
		Manual Gateway Address	Manually sets the gateway address.

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DNS	**DNS Domain Name**	Specifies the domain name of the domain name server. Up to 255 alphanumeric characters, periods, and hyphens can be used. If you need to specify more than one domain name, separate them using a comma or semicolon.	
	IPv4	**Get DNS Server Address from DHCP**	Specifies if the printer receives the DNS server address automatically from the DHCP server.
		Manual DNS Server Address	Sets the DNS server address.
	IPv6	**Get DNS Server Address from DHCPv6-lite**	Specifies if the printer receives the DNS server address automatically from the DHCPv6-lite server.
		Manual DNS Server Address	Sets the DNS server address.
		Priority to IPv6 DNS Name Resolution	Specifies whether to enable the DNS Name Resolution feature.
LPD	**Connection Time-Out**	Sets the connection time-out period from 1 to 1000 seconds.	
	IP Filter (IPv4)	Click **IP Filter (IPv4)** to set the IP filter settings on the **IP Filter (IPv4)** page.	
Port9100	**Port Number**	Sets the port number from 9000 to 9999.	
	Connection Time-Out	Sets the connection time-out period between 1 and 1000 seconds.	
	IP Filter (IPv4)	Click **IP Filter (IPv4)** to set the IP filter settings on the **IP Filter (IPv4)** page.	

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WSD	**Port Number**	Sets the port number. This must be 80 or between 8000 and 9999.
	Receive Time-Out	Sets the receive time-out period from 1 to 65535 seconds.
	Notification Time-Out	Sets the notification time-out period from 1 to 60 seconds.
	Maximum Number of TTL	Sets the maximum number of TTL from 1 to 10.
	Maximum Number of Notification	Sets the maximum number of notifications from 10 to 20.
HTTP	**Port Number**	Sets the port number. This must be 80 or between 8000 and 9999.
	Simultaneous Connections	Displays the maximum number of connections received simultaneously by the client.
	Connection Time-Out	Sets the connection time-out period from 1 to 255 seconds.

E-Mail Alert

Purpose:

To configure settings for E-Mail Alert. This page can also be displayed by clicking **E-Mail Alert** in the left frame.

Values:

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E-Mail Server Settings	**Primary SMTP Gateway**	Sets the primary SMTP gateway.
	SMTP Port Number	Specifies the SMTP port number. This must be 25, 587 or between 5000 and 65535.
	E-Mail Send Authentication	Specifies the authentication method for outgoing e-mail.
	SMTP Login User	Specifies the SMTP login user. Up to 63 alphanumeric characters, periods, hyphens, underscores, and at symbols (@) can be used. If specifying more than one address, separate them using commas.
	SMTP Login Password	Specifies the SMTP account password using up to 31 alphanumeric characters.
	Re-enter SMTP Login Password	Enter the SMTP account password again to confirm.
	POP3 Server Address*1	Specifies the POP3 server address in IP address format of "aaa.bbb.ccc.ddd" or as a DNS host name using up to 63 characters.
	POP3 Port Number*1	Specifies the POP3 server port number. This must be 110 or between 5000 and 65535.
	POP User Name*1	Specifies the POP3 account user name. Up to 63 alphanumeric characters, periods, hyphens, underscores, and at symbols (@) can be used. If specifying more than one address, separate them using commas.
	POP User Password*1	Specifies the POP3 account password using up to 31 alphanumeric characters.
	Re-enter POP User Password*1	Enter the POP3 account password again to confirm.
	Reply Address	Designates the reply e-mail address sent with each E-mail Alert.
	SMTP Server Connection	Displays the status of the SMTP server connection.

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E-Mail Alert Settings	**E-Mail List 1**	Sets acceptable e-mail addresses for the E-Mail Alert feature using up to 255 alphanumeric characters.	
	Select Alerts for List 1	**Supplies Alerts**	Specifies whether to receive an e-mail alert for consumables.
		Paper Handling Alerts	Specifies whether to receive an e-mail alert for paper handling.
		Service Call	Specifies whether to receive an e-mail alert for service calls.
	E-Mail List 2	Sets acceptable e-mail addresses for the E-Mail Alert feature using up to 255 alphanumeric characters.	
	Select Alerts for List 2	**Supplies Alerts**	Specifies whether to receive an e-mail alert for consumables.
		Paper Handling Alerts	Specifies whether to receive an e-mail alert for paper handling.
		Service Call	Specifies whether to receive an e-mail alert for service calls.

*1 This item is available only when **POP before SMTP** for **E-Mail Send Authentication** is selected.

Bonjour (mDNS)

Purpose:

To configure the detailed settings for Bonjour.

Values:

Host Name	Specifies the host name up to 63 alphanumeric characters and "-" (dash). The original setting will remain valid if nothing is entered.
Printer Name	Specifies the printer name up to 63 alphanumeric characters and symbol sets.

SNMP

Purpose:

To configure the detailed settings of SNMP.

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Values:

Community Name	**Community Name (Read only)** *1	Specifies the community name to access (read only) data using up to 31 alphanumeric characters. The original setting will remain valid if nothing is entered. Characters entered for community name in the previous settings will not be displayed on the screen. The default Read Community is public.
	Re-enter Community Name (Read only) *1	Enter the community name to access (read only) data again to confirm.
	Community Name (Read/ Write) *1	Specifies the community name to access (read and write) data using up to 31 alphanumeric characters. The original setting will remain valid if nothing is entered. Characters entered for community name in the previous settings will not be displayed on the screen. The default Read/Write Community is private.
	Re-enter Community Name (Read/ Write) *1	Enter the community name to access (read and write) data again to confirm.
	Community Name (Trap) *1	Specifies the community name used for trap up to 31 alphanumeric characters. The original setting will remain valid if nothing is entered. Characters entered for community name in the previous settings will not be displayed on the screen. The default Trap Community is " " (NULL).
	Re-enter Community Name (Trap) *1	Enter the community name used for trap again to confirm.

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Trap Notification 1-4	**Trap Address Type**	Select the trap address type from the list. Selecting **Off** clears the settings in **Trap Address**, **Port Number**, and **Notify**, and does not notify trap occurrence. Selecting **IPv4** or **IPv6** allows you to enter **Trap Address**.
	Trap Address	Specifies the IP address and IP socket in the following format: • IPv4 Specifies the IP address and IP socket in the nnn.nnn.nnn.nnn:mmmmm format. Each section of "nnn" is a variable value between 0 and 255. Note that values 127 and 224-254 are not valid for the first three-digits only. IP socket mmmmm is a variable value between 0 and 65535. • IPv6 Specifies the IP address and IP socket in the xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:mmmmm format. Each section of "xxxx" is a hexadecimal variable value between 0 and ffff. IP socket mmmmm is a variable value between 0 and 65535.
	Port Number	Enter the SNMP trap destination port number.
	Notify	Specifies whether to notify trap occurrence.
Authenticate Error Trap		Specifies whether to notify Authenticate Error Trap.

*1 The default value can be changed by using **Dell Printer Configuration Web Tool**.

LLTD

Purpose:

To specify the maximum number of devices.

Values:

Maximum Number of Device	Sets the maximum number of device from 64 to 1024.

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Wireless LAN

Purpose:

To configure wireless network settings.

To connect the printer with a wireless network, be sure to disconnect the Ethernet cable.

NOTE: Once wireless LAN is activated, wired LAN protocol will be disabled.

Values:

Wireless Settings	**Wireless LAN**	Specifies whether to enable wireless connection.	
	SSID	Specifies the name that identifies the wireless network using up to 32 alphanumeric characters.	
	Network Type	Specifies the network type from either **Ad-Hoc** or **Infrastructure**.	
	MAC Address	Displays the MAC address of the wireless network setting of the printer.	
	Link Channel	Displays the channel number of the wireless connection of the printer.	
	Link Quality	Displays the quality of the wireless network connection of the printer.	
Security Settings	**Encryption**	Select the security method from the list.	
		No Security	Specifies **No Security** to configure the wireless setting without specifying a security method from WEP, WPA-PSK AES/WPA2-PSK AES, and WPA-PSK TKIP.
		WEP	Specifies the WEP to use through the wireless network.
		WPA-PSK TKIP[*1]	Specifies the WPA-PSK TKIP to use through the wireless network.
		WPA-PSK AES/ WPA2-PSK AES[*1]	Specifies the WPA-PSK AES/ WPA2-PSK AES to use through the wireless network.

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WEP	**Encryption**	Select the WEP key code from the list.
	WEP Key 1	Enter the WEP key when **WEP** is selected from **Encryption** of **Security Settings**.
	Re-enter WEP Key 1	Enter the WEP key 1 again to confirm.
	WEP Key 2	Enter the WEP key when **WEP** is selected from **Encryption** of **Security Settings**.
	Re-enter WEP Key 2	Enter the WEP key 2 again to confirm.
	WEP Key 3	Enter the WEP key when **WEP** is selected from **Encryption** of **Security Settings**.
	Re-enter WEP Key 3	Enter the WEP key 3 again to confirm.
	WEP Key 4	Enter the WEP key when **WEP** is selected from **Encryption** of **Security Settings**.
	Re-enter WEP Key 4	Enter the WEP key 4 again to confirm.
	Transmit Key	Specifies the transmit key type from the list.
WPA-PSK	**Pass Phrase**	Specifies the pass phrase.
	Re-enter Pass Phrase	Enter the pass phrase again to confirm.

*1 This item is available only when the Infrastructure mode is selected for Network Type.

NOTE: This item is available only when the printer is connected with a wireless network.

Reset Print Server

Purpose:

To initialize NVM (non-volatile memory) for the network feature and reboot the printer. You can also initialize NVM of the printer from **Reset Defaults** in the **Printer Settings** menu.

Values:

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Initialize NIC NVRAM Memory and restart printer.	Click the **Start** button to initialize NVM. Network settings will revert to the factory default settings and reboot the network capability.
Restart Printer	Click the **Start** button to reboot the printer.

Security

The **Security** tab contains the **Set Password** and **IP Filter (IPv4)** pages.

Set Password

Purpose:

To set or change the password that is required to access the setup parameters of the printer from the **Dell Printer Configuration Web Tool**.

This page can also be displayed by clicking **Set Password** in the left frame.

Values:

Administrator Password	Sets the password using up to 10 alphanumeric characters. The password will appear as asterisks (*) in the field when it is entered.
Re-enter Administrator Password	Enter the password again to confirm.
Access denial by the authentication failure of the Administrator	Sets the maximum number that the administrator fails to log in. If you set 0, this feature is disabled. The failed attempts counter is reset to 0 by a successful authentication. Every administrator authentication is rejected if the counter exceeds the maximum number of failed login attempts.

NOTE: If you forgot your password, initialize NVM (non-volatile memory) to restore the password to the default (NULL). See "Reset Print Server" on page 150.

NOTE: When you change the password to lock the operator panel, set the password from **Panel Lock Set** in the **Printer Settings**.

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IP Filter (IPv4)

Purpose:

To specify the IP address and subnet mask to be permitted or denied access to the printer.

Values:

Address	Specifies the IP addresses that are permitted or denied access to the printer. Enter a numeric value between 0 and 255 in each field.	
Address Mask	Specifies the subnet mask that are permitted or denied access to the printer. Enter a numeric value between 0 and 255 in each field.	
Active Mode	**Reject**	Rejects printing from specified network address.
	Permit	Permits printing from specified network address.
	Disabled	Disables the IP Filter feature for the specified IP address.

NOTE: This item is only available for LPD or Port9100.

Copy Printer Settings

The **Copy Printer Settings** menu contains the **Copy Printer Settings** and **Copy Printer Settings Report** pages.

Copy Printer Settings

Purpose:

To copy the printer settings to one or more printers of the same model.

To copy the settings to another printer, specify the IP address and password of the printer to which the settings are copied in the **IP Address** text box and **Password** text box. Then, click the **Copy the settings to the Host in the above list.** button. Copying the settings is complete. The connection time-out period is 60 seconds. After that, you can check whether the settings were copied to this page. And you need to click the **Copy the settings to the Host in the above list and reboot the machine** button of the **Dell Printer Configuration Web Tool** in the destination printer to verify if the settings were actually copied or not.

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If the settings can be copied but the printer configuration is different, the settings of only the common items are copied. Printer settings can be copied to 10 IP addresses of printers simultaneously.

Copy Printer Settings Report

Purpose:

To verify the histories of copying.

NOTE: The history is cleared by turning off the printer.

Print Volume

Purpose:

Use the **Print Volume** menu to verify the number of printed pages.

Values:

Printer Page Count	Displays the total number of pages printed since the printer was shipped from the factory.
Paper Used	Displays the number of pages printed for each paper size.

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11

Print Media Guidelines

Print media can be paper, labels, envelopes, and coated paper among others. Your printer provides high-quality printing on a variety of print media. Selecting the appropriate print media for your printer helps avoid printing troubles. This section describes selecting print media, caring for print media, and loading the print media in Multipurpose Feeder (MPF) or Priority Sheet Inserter (PSI).

Paper

For the best print quality in color, use 75 g/m^2 (20 lb) xerographic, grain long paper. For the best print quality in black and white, use 90 g/m^2 (24 lb) xerographic, grain long paper. Before buying large quantities of any print media, it is recommended that you try a sample first.

When loading paper, identify the recommended print side on the paper package, and load the paper accordingly. See "Loading Print Media in the Multipurpose Feeder (MPF)" on page 45 and "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 50 for detailed loading instructions.

Paper Characteristics

The following paper characteristics affect print quality and reliability. It is recommended that you follow these guidelines when evaluating new paper stock.

Weight

Both MPF and PSI automatically feed paper whose weights range from 60 to 163 g/m^2 (16 to 44 lb bond) grain long. Paper lighter than 60 g/m^2 (16 lb) may not feed properly, and could cause paper jams. For best performance, use 75 g/m^2 (20 lb bond) grain long paper.

Curl

Curl is the tendency of print media to curve at its edges. Excessive curl can cause paper feeding problems. Curl usually occurs after the paper passes through the printer, where it is exposed to high temperatures. Storing paper

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unwrapped, even in the paper feeder, can contribute to paper curling prior to printing and cause feeding problems regardless of humidity. When printing on curled paper, straighten the paper and then insert it into the MPF or PSI.

Smoothness

The degree of paper smoothness directly affects print quality. If the paper is too rough, the toner does not fuse to the paper properly, resulting in poor print quality. If the paper is too smooth, it can cause paper feeding problems. Smoothness between 150 and 250 Sheffield points produces the best print quality.

Moisture Content

The amount of moisture in the paper affects both print quality and the ability of the printer to feed the paper properly. Leave the paper in its original packaging until you are ready to use it. This limits the exposure of the paper to moisture changes that can degrade its performance.

Grain Direction

Grain refers to the alignment of the paper fibers in a sheet of paper. Grain is either grain long, running the length of the paper, or grain short, running the width of the paper. For 60 to 135 g/m^2 (16 to 36 lb bond) paper, grain long fibers are recommended. For paper heavier than 135 g/m^2 (36 lb bond), grain short is preferred.

Fiber Content

Most high-quality xerographic paper is made from 100% chemically pulped wood. Paper containing fibers such as cotton possess characteristics that can result in degraded paper handling.

Recommended Paper

To ensure the best print quality and feed reliability, use dry 75 g/m^2 (20 lb) xerographic paper. Business paper designed for general business use also provide acceptable print quality. Only use paper able to withstand high temperatures without discoloring, bleeding, or releasing hazardous emissions. The laser printing process heats paper to high temperatures. Check with the manufacturer or vendor to determine whether the paper you have chosen is acceptable for laser printers.

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NOTE: Always print several samples before buying large quantities of any type of print media. When choosing any print media, you should consider the weight, fiber content, and color.

Unacceptable Paper

The following paper types are not recommended for use with the printer:

- Chemically treated paper used to make copies without carbon paper, also known as carbonless paper, carbonless copy paper (CCP), or no carbon required (NCR) paper
- Preprinted paper with chemicals that may contaminate the printer
- Preprinted paper that can be affected by the temperature in the fuser
- Preprinted paper that require a registration (the precise print location on the page) greater than ±0.09 inches, such as optical character recognition (OCR) forms

  In some cases, you can adjust registration with your software program to successfully print on these forms.
- Coated paper (erasable bond), synthetic paper, thermal paper
- Rough-edged, rough or heavily textured surface paper, or curled paper
- Recycled paper containing more than 25% post-consumer waste that do not meet DIN 19 309
- Multiple-part forms or documents
- Print quality may deteriorate (blank spaces or blotches may appear in the text) when printing on talc or acid paper.
- Moist paper that may cause wrinkle

Selecting Paper

Proper paper selection helps prevent jams and ensures trouble-free printing.

To help avoid jams or poor print quality:

- Always use new, dry, and undamaged paper.
- Before loading the paper, identify the recommended print side of the paper. This information is usually indicated on the paper package.
- Do not use paper that you have cut or trimmed yourself.

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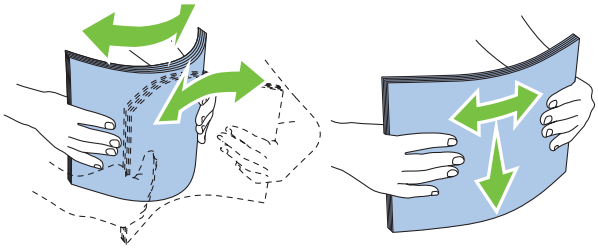
- Do not mix print media sizes, weights, or types in the same source. This may result in a paper jam.
- Do not remove the PSI while a job is printing.
- Ensure that the paper is properly loaded in the MPF or PSI.
- Flex paper back and forth, and then fan them. Straighten the edges of the stack on a level surface.



Selecting Preprinted Media and Letterhead

When selecting preprinted media and letterhead paper for the printer:

- Use grain long paper for best results.
- Use only forms and letterhead printed using an offset lithographic or engraved printing process.
- Select paper that absorb ink, but do not bleed.
- Avoid paper with rough or heavily textured surfaces.
- Use paper printed with heat-resistant inks designed for use in xerographic copiers. The ink must withstand temperatures of 225°C (437°F) without melting or releasing hazardous emissions.
- Use inks that are not affected by the resin in toner or the silicone in the fuser. Inks that are oxidation-set or oil-based should meet these requirements; latex inks might not. If you are in doubt, contact your paper supplier.

Printing on Letterhead

Check with the manufacturer or vendor to determine whether the pre-printed letterhead you have selected is acceptable for laser printers.

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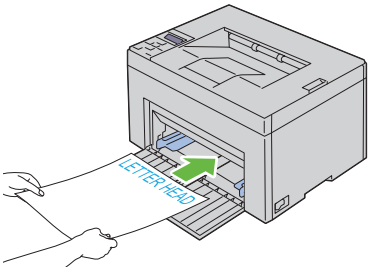
Page orientation is important when printing on letterhead. Use the following table for help when loading letterhead in the print media sources.

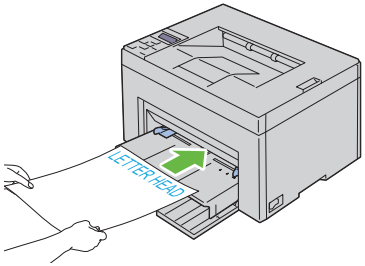
Loading Letterhead

Load the letterhead in the printer with the print side facing up. Ensure that the title on the letter head enters the printer first.

Multipurpose Feeder (MPF)



Priority Sheet Inserter (PSI)



Selecting Pre-Punched Paper

Pre-punched paper brands can differ in the number and placement of holes and in manufacturing techniques. However, it may not be possible to print on the paper to depending on the placement of holes on the paper.

To select and use pre-punched paper:

- Test paper from several manufacturers before ordering and using large quantities of pre-punched paper.
- Paper should be punched at the paper manufacturer and not drilled into paper already packaged in a ream. Drilled paper can cause jams when multiple sheets feed through the printer. This may result in a paper jam.
- Pre-punched paper can include more paper dust than standard paper. Your printer may require more frequent cleaning and feed reliability may not be as good as standard paper.
- Weight guidelines for pre-punched paper are the same as non-punched paper.

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Envelopes

Depending on the choice of envelopes, it is possible to expect variable levels of light wrinkling. Before buying large quantities of any print media, it is recommended that you try a sample first. See "Loading Print Media in the Multipurpose Feeder (MPF)" on page 166 or "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 173 for instructions on loading an envelope.

When printing on envelopes:

- Use only high-quality envelopes that are designed for use in laser printers.
- Set the print media source to MPF or PSI. Set the paper type to **Envelope**, and select the correct size of envelope from the printer driver.
- For best performance, use envelopes made from 75 g/m^2 (20 lb bond) paper. You can use up to 105 g/m^2 (28 lb bond) weight for the envelope feeder as long as the cotton content is 25% or less. Envelopes with 100% cotton content must not exceed 90 g/m^2 (24 lb bond) weight.
- Use only freshly unpackaged, undamaged envelopes.
- Use envelopes that can withstand temperatures of 205°C (401°F) without sealing, excessive curling, wrinkling, or releasing hazardous emissions. If you have any doubts about the envelopes you are considering, check with the envelope supplier.
- Adjust the guide to fit the width of the envelopes.
- To load envelope in MPF or PSI, the print side must be facing up.
- See "Loading Print Media in the Multipurpose Feeder (MPF)" on page 45 or "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 50 for instructions on loading an envelope.
- Use one envelope size during a print job.
- Ensure that the humidity is low because high humidity (more than 60%) and the high printing temperatures may seal the envelopes.
- For best performance, do not use envelopes that:
  - Have excessive curl or twist
  - Are stuck together or damaged in any way
  - Contain windows, holes, perforations, cutouts, embossing

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- Use metal clasps, string ties, or metal folding bars
- Have an interlocking design
- Have postage stamps attached
- Have nicked edges or bent corners
- Have rough, cockle, or laid finishes

Labels

Your printer can print on many labels designed only for use with laser printers.

When selecting labels:

- Label adhesives, face sheet (printable stock), and topcoats must be able to withstand temperatures of 205 °C (401 °F) and pressure of 25 pounds per square inch (psi).
- Use labels that can be without sealing, excessive curling, wrinkling, or releasing hazardous emissions.
- Do not use label sheets with a slick backing material.

NOTICE: Before buying large quantities of any print media, it is recommended that you try a sample first.

When printing on labels:

- Use labels that can withstand temperatures of 205 °C (401 °F) without sealing, excessive curling, wrinkling, or releasing hazardous emissions.
- Set the paper type to **Label** from the printer driver.
- Do not load labels together with paper in the same tray.
- Do not print within 1 mm (0.04 inches) of the die-cut.
- Do not print within 1 mm (0.04 inches) of the edge of the label, of the perforations, or between die-cuts of the label.
- Do not print a label through the printer more than once.
- Portrait orientation is preferred, especially when printing bar codes.
- Do not use labels that have exposed adhesive.
- Use full label sheets. Partial sheets may cause labels to peel off during printing, resulting in a jam.

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- Do not use label sheets that have adhesive to the edge of the sheet. It is recommended that zone coating of the adhesive is done at least 1 mm (0.04 inches) away from edges. Adhesive material contaminates your printer and could void your warranty.

CAUTION: Otherwise the printer occur in a jam and contaminate your printer and your cartridges with adhesive. As a result, could void your printer and cartridge warranties.

Storing Print Media

For proper print media storage, the following guidelines help avoid media feeding problems and uneven print quality.

- For best results, store print media in an environment where the temperature is approximately 21°C (70°F) and the relative humidity is 40%.
- Store cartons of print media on a pallet or shelf, rather than directly on the floor.
- If you store individual packages of print media out of the original carton, ensure that they rest on a flat surface so that the edges do not buckle or curl.
- Do not place anything on top of the print media packages.

Identifying Print Media and Specifications

This section provides information on supported paper sizes, types, and specification.

Supported Paper Sizes

	Multipurpose Feeder (MPF)	Priority Sheet Inserter (PSI)
A4 (210x297 mm)	Y	Y
B5 (182x257 mm)	Y	Y
A5 (148x210 mm)	Y	Y
C5 (162x229 mm)	Y	Y

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	Multipurpose Feeder (MPF)	Priority Sheet Inserter (PSI)
Monarch (3.875x7.5 in)	Y	Y
Monarch LEF (7.5x3.875 in)*1	Y	Y*4
Envelope #10 (4.125x9.5 in)	Y	Y
DL (110x220 mm)	Y	Y
DL LEF (220x110 mm)*1	Y	Y*4
Letter (8.5x11 in)	Y	Y
Legal (8.5x14 in)	Y	Y
Folio (8.5x13 in)	Y	Y
Executive (7.25 x 10.5 in)	Y	Y
Custom*2*3	Y	Y

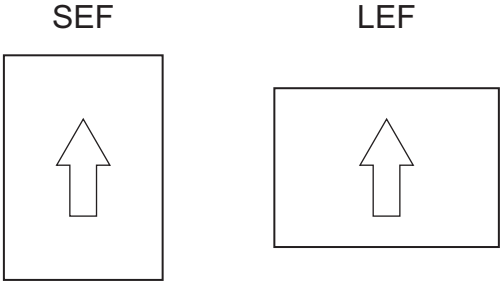
*1 You can place the originals in a long-edge feed direction or in a short-edge feed direction. The following illustration shows SEF and LEF. The arrow mark in the illustration shows the orientation of the paper loading.

NOTE: Not available when the XPS Printer Driver is used.

*2 Custom width: 76.2 mm (3.00 inches) to 215.9 mm (8.50 inches)
The maximum width for envelope (DL LEF): 220 mm (8.66 inches)
Custom length: 127 mm (5.00 inches) to 355.6 mm (14.00 inches)
(For the PSI, 191 mm (7.50 inches) to 355.6 mm (14.00 inches))
The maximum length for envelope (Monarch LEF): 98.4 mm (3.87 inches)

*3 Only the administrator user can set the custom size from the printer driver.

*4 Be sure to fully insert the envelope until it stops. Otherwise, print media that is loaded on the MPF will be fed.



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Supported Paper Types

Media	Multipurpose Feeder (MPF)	Priority Sheet Inserter (PSI)
Plain	Y*	Y*
Plain Side 2	Y	Y
Plain Thick	Y	Y
Plain Thick Side 2	Y	Y
Recycled	Y	Y
Recycled Side 2	Y	Y
Label	Y	Y
Covers	Y	Y
Covers Side 2	Y	Y
Envelope	Y	Y
Coated	Y	Y
Coated Side 2	Y	Y

* Values marked by an asterisk (*) are the factory default menu settings.

Paper Type Specifications

Paper type	Weight (gsm)	Remarks
Plain Paper	60–90	-
Plain Thick Paper	91–105	-
Covers	106–163	-
Coated	106–163	Inkjet printer paper cannot be used.
Label	-	Inkjet printer paper cannot be used.
Envelopes	-	-
Recycled	60–105	-

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Loading Print Media

Loading print media properly helps prevent jams and ensures trouble-free printing.

Before loading print media, identify the recommended print side of the print media. This information is usually on the print media package.

NOTE: After loading paper, specify the same paper type on the operator panel.

Capacity

Multipurpose Feeder (MPF) can hold:

- 150 sheets of standard paper
- 16.2 mm (0.64 inches) of thick paper
- One sheet of coated paper
- 16.2 mm (0.64 inches) of post cards
- Five envelopes
- 16.2 mm (0.64 inches) of labels

Priority Sheet Inserter (PSI) can hold:

- 10 sheets of standard paper or one sheet of other paper

Print Media Dimensions

The MPF accepts print media within the following dimensions:

- Width — 76.2 mm (3.00 inches) to 215.9 mm (8.50 inches)
- Length — 127 mm (5.00 inches) to 355.6 mm (14.00 inches)

The PSI accepts print media within the following dimensions:

- Width — 76.2 mm (3.00 inches) to 215.9 mm (8.50 inches)

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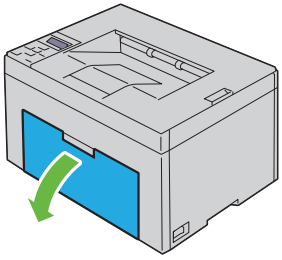
- Length — 191 mm (7.50 inches) to 355.6 mm (14.00 inches)

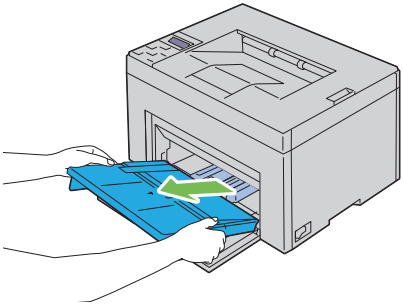
Loading Print Media in the Multipurpose Feeder (MPF)

NOTE: Use only laser print media. Do not use ink jet paper in this printer.

1 Open the front cover.



2 Pull the priority sheet inserter (PSI) out.



3 Pull the length guide forward until it stops.

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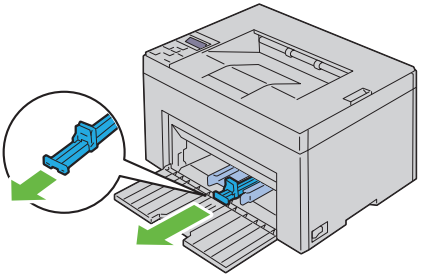
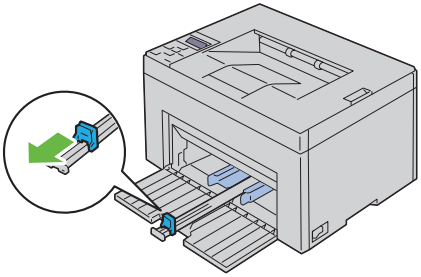
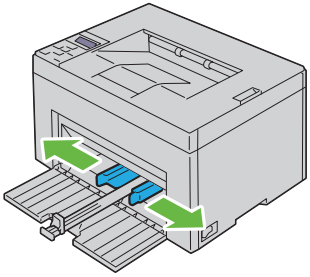


4 Pull the MPF extension forward until it stops.



5 Adjust the paper width guides to their maximum width.



6 Before loading the print media, flex the sheets back and forth, and then fan them. Straighten the edges of the stack on a level surface.

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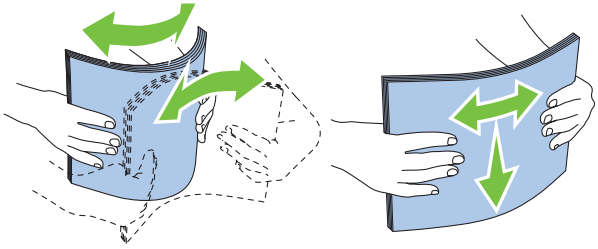
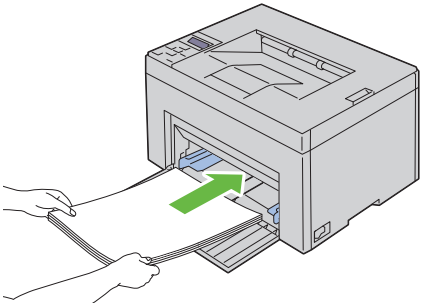
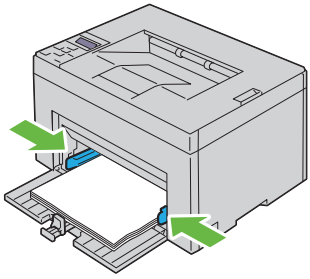


7 Load print media on the MPF with the top edge first and with the recommended print side facing up.



8 Adjust the width guides until they rest lightly against the edges of the stack of print media.



9 Slide the length guide towards the printer until it touches the print media.

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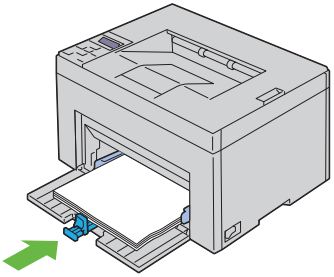
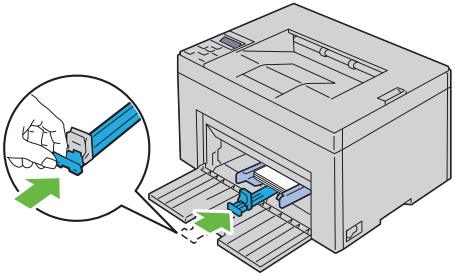
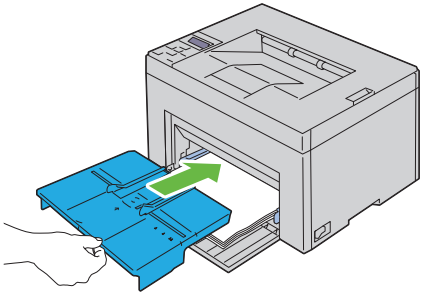


NOTE: Depending on the size of print media, first slide the length guide backward until it stops, and then slide the MPF extension until it touches print media.



10 Insert the PSI into the printer and then align the PSI to the marking on the paper tray.



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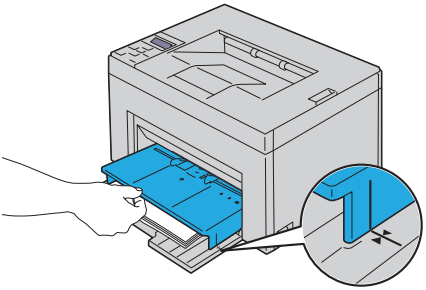
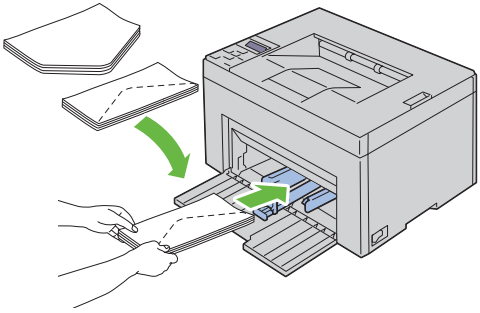


Loading Envelopes in the Multipurpose Feeder (MPF)

NOTE: When you print on envelopes, be sure to specify the envelope setting on the printer driver. If not specified, the print image will be rotated 180 degrees.

When Loading Envelope#10, DL, or Monarch

Load envelopes with the side to be printed on facing up, the flap side facing down, and the flap turned to the right.



To prevent DL and Monarch from being wrinkled, they are recommended to be loaded with the print-side facing up, flap opened, and facing you.

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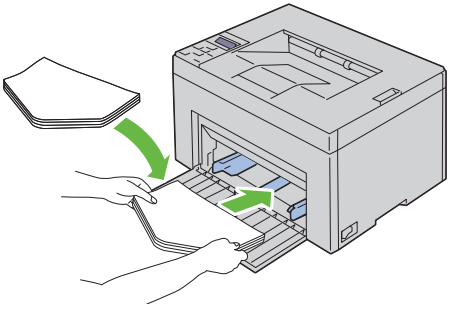
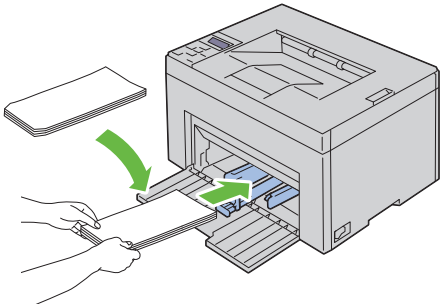


When Loading C5

Load envelopes with the side to be printed on facing up, with the flap open.



NOTICE: Never use envelopes with windows, or coated linings. These lead to paper jams and can cause damage to the printer.

NOTE: If you do not load envelopes in the MPF right after they have been removed from the packaging, they may bulge. To avoid jams, flatten them as shown below when loading them in the MPF.

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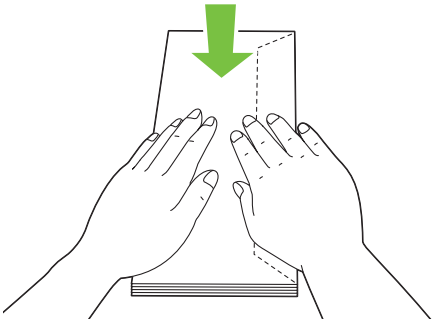
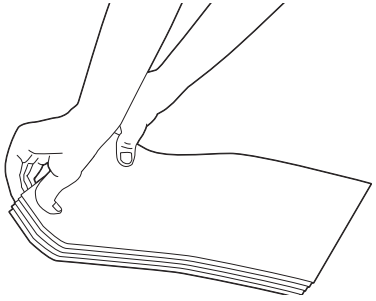
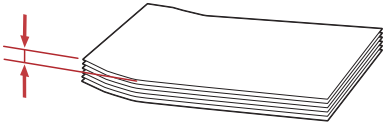


NOTE: If envelopes are still not fed correctly, add some bending to the flap of the envelopes as shown in the following illustration.
The amount of the bending shall be 5mm (0.20 inches) or less.





NOTE: To confirm the correct orientation of each print media such as envelopes, see the instruction on the Envelope/Paper Setup Navigator on the printer driver.

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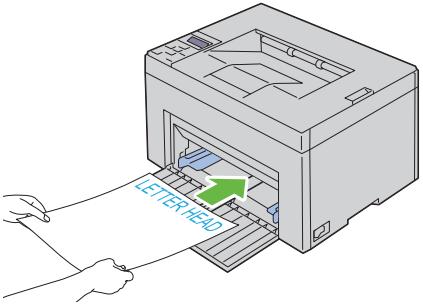
Loading Letterhead

The letterhead must be toward the top edge of MPF with the print side facing up. However, the letterhead must be inserted top edge first with the print side facing down when loading paper into the MPF.

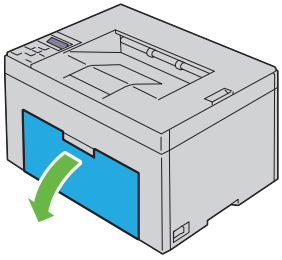


Loading Print Media in the Priority Sheet Inserter (PSI)

NOTE: To avoid paper jams, do not remove the PSI while printing is in progress.

NOTE: Use only laser print media. Do not use ink jet paper in this printer.

1 Open the front cover.



2 Slide the PSI forward, and then align the PSI to the marking on the paper tray.

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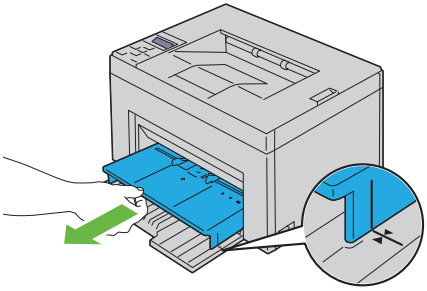
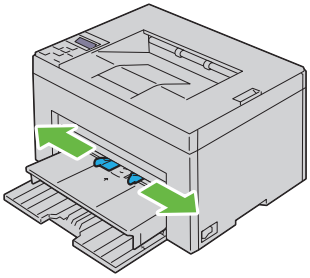
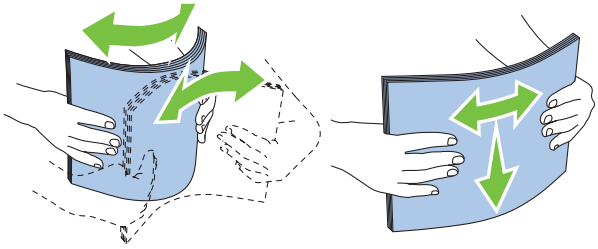


3 Adjust the paper width guides to their maximum width.



4 Before loading the print media, flex the sheets back and forth, and then fan them. Straighten the edges of the stack on a level surface.



5 Load print media on the PSI with the top edge first and with the recommended print side facing up.

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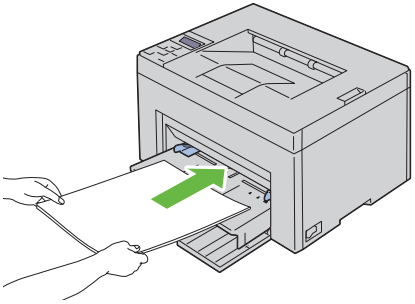
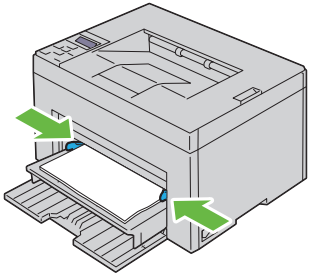


6 Adjust the width guides until they rest lightly against the edges of the stack of print media.



7 Select the paper type from the printer driver if the loaded print media is not standard plain paper. If a user-specified print media is loaded in the PSI, you must specify the paper size setting by using the printer driver.

Loading an Envelope in the Priority Sheet Inserter (PSI)

NOTE: Be sure to fully insert the envelope until it stops. Otherwise, print media that is loaded on the MPF will be fed.

NOTE: When you print on envelopes, be sure to specify the envelope setting on the printer driver. If not specified, the print image will be rotated 180 degrees.

When Loading Envelope#10, DL, or Monarch

Load an envelope with the side to be printed on facing up, the flap side facing down, and the flap turned to the right.

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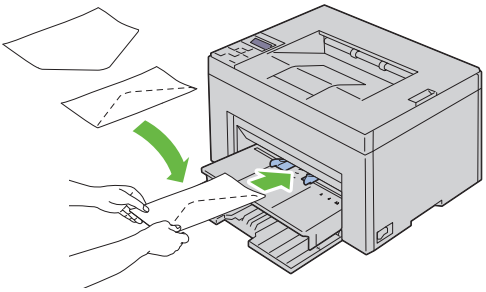
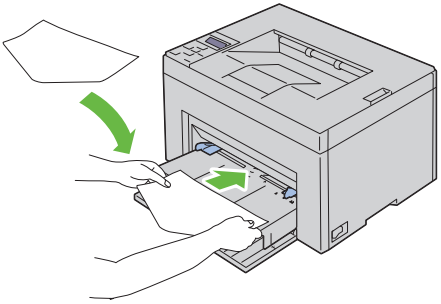


To prevent DL and Monarch from being wrinkled, they are recommended to be loaded with the print-side facing up, flap opened, and facing you.



When Loading C5

Load envelopes with the side to be printed on facing up, with the flap open.

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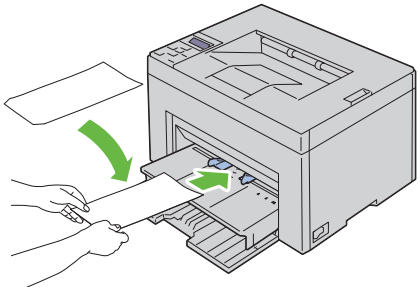
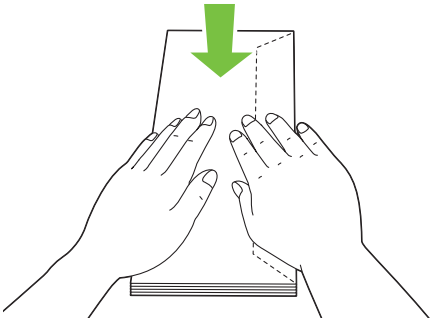


NOTICE: Never use envelopes with windows, or coated linings. These lead to paper jams and can cause damage to the printer.

NOTE: If you do not load envelopes in the PSI right after they have been removed from the packaging, they may bulge. To avoid jams, flatten them as shown below when loading them in the PSI.



NOTE: If envelopes are still not fed correctly, add some bending to the flap of the envelopes as shown in the following illustration.
The amount of the bending shall be 5mm (0.20 inches) or less.

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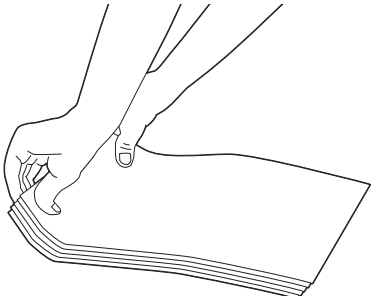
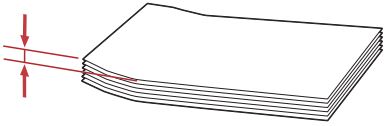
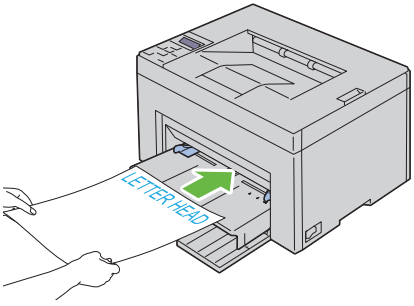




NOTE: To confirm the correct orientation of each print media such as envelopes, see the instruction on the Envelope/Paper Setup Navigator on the printer driver.

Loading Letterhead

The letterhead must be toward the top edge of the PSI with the print side facing up. However, the letterhead must be inserted top edge first with the print side facing down when loading paper into the PSI.



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Manual Duplex Printing (Windows Printer Driver Only)

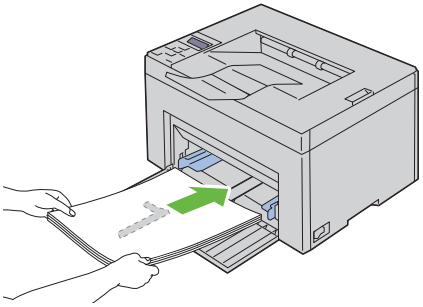
NOTE: When printing on curled paper, straighten the paper and then insert it into the feeder.

NOTE: The XPS printer driver does not support manual duplex printing.

When you start manual duplex printing, the instruction window appears. Note that the window cannot be reopen once closed. Do not close the window until duplex printing is complete.

When Using the Multipurpose Feeder (MPF)

1. First print the even pages (rear sides).
   For a six page document, rear sides are printed in the order of page 6, page 4, then page 2.
   The orange LED lights and the message appears on the LCD when the even pages finish printing.



2. After the printing of even pages is complete, remove the paper stack from the output tray.

   NOTE: Warped or curled prints can cause paper jams. Straighten them before setting them.

3. Next stack the prints and set them as they are (with the blank side face up) into the MPF. Ensure that `Insert Output into paper tray` appears, and then press the ✓ button. Print pages in the order page 1 (rear of page 2), page 3 (rear of page 4), then page 5 (rear of page 6).

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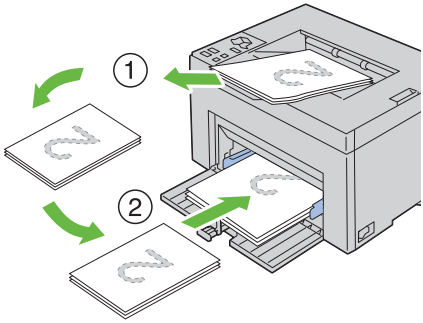
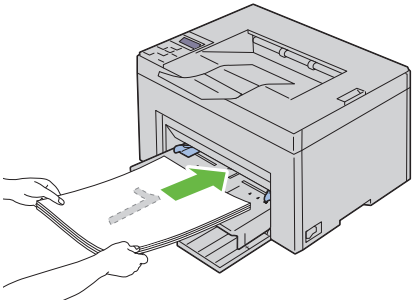


NOTE: Printing on both sides of the paper is not possible if the document consists of various sizes of papers.

When Using the Priority Sheet Inserter (PSI)

1 First print the even pages (rear sides).
For a six page document, rear sides are printed in the order of page 6, page 4, then page 2.

The orange LED lights and the message appears on the LCD when the even pages finish printing.



2 After the printing of even pages is complete, remove the paper stack from the output tray.

NOTE: Warped or curled prints can cause paper jams. Straighten them before setting them.

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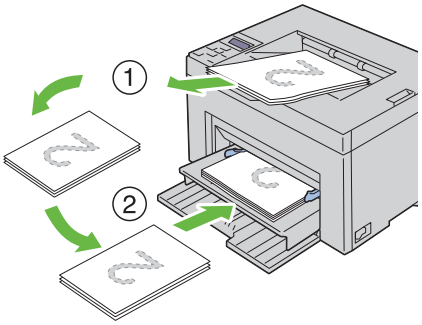
3 Next stack the prints and set them as they are (with the blank side face up) into the PSI. Ensure that `Insert Output into paper tray` appears, and then press the ✓ button. Print pages in the order page 1 (rear of page 2), page 3 (rear of page 4), then page 5 (rear of page 6).

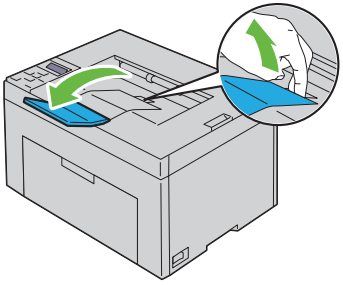


NOTE: Printing on both sides of the paper is not possible if the document consists of various sizes of papers.

Using the Output Tray Extension

The output tray extension is designed to prevent print media from falling from the printer after the print job is complete.

Before printing a document, ensure that the output tray extension is fully extended.



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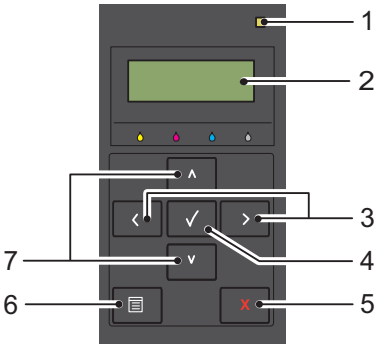
Operator Panel

Using the Operator Panel Buttons

The operator panel has a liquid crystal display (LCD), seven buttons, and an indicator.



1 Ready/Error indicator

- Lights up green when the printer is ready or sleeping and blinks when data is being received.
- Lights up orange when an error occurs and blinks when an unrecoverable print error occurs.

2 LCD Panel

3 < > buttons

- Selects submenus or setting values in the Menu mode.

4 ✓ button

- Displays the selected menu or item and determines the selected value in the Menu mode.

5 X **(Cancel)** button

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- Cancels the current print job.
- Switches to the Print mode from the top menu of the Menu mode.
- Switches to the upper hierarchy of the menu from the submenu of the Menu mode.

6 (**Menu**) button
- Switches to the Menu mode from the Print mode.
- Switches to the Print mode from the Menu mode.

7 ∧ ∨ buttons
- Scrolls through menus or items in the Menu mode. To enter numbers or passwords, press these buttons.

Printing a Device Settings Page

The device settings page shows current settings for the operator panel menus.

The Operator Panel

1 Press the (**Menu**) button.

2 Ensure that `Report/List` appears, and then press the ✓ button.

3 Press the ∨ button until `Device Settings` appears, and then press the ✓ button.

The device settings page is printed.

The Tool Box

NOTE:

1 Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

NOTE: When multiple printer drivers are installed on your computer, the **Select Printer** window appears. In this case, click the name of Dell 1350cnw Color Printer listed in **Printer Name**, and then click **OK**.

The **Tool Box** opens.

2 Click the **Printer Settings Report** tab.

3 Select **Reports** from the list at the left side of the page.

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The **Reports** page is displayed.

4 Click the **Device Settings** button.

The device settings page is printed.

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14

Printing

This chapter covers tips for printing, how to print certain lists of information from your printer, and how to cancel a job.

Tips for Successful Printing

Tips on Storing Print Media

Store your print media properly. For more information, see "Storing Print Media" on page 262.

Avoiding Paper Jams

NOTE: It is recommended that you try a limited sample of any print media you are considering using with the printer before purchasing large quantities.

By selecting appropriate print media and loading it properly, you can avoid paper jams. See the following instructions on loading print media:

- "Loading Print Media in the Multipurpose Feeder (MPF)" on page 166
- "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 173
- "Avoiding Jams" on page 277

If you experience a jam, see "Jam" on page 304 for instructions.

Sending a Job to Print

To support all of the printer features, use the printer driver. When you choose **Print** from a software program, a window representing the printer driver opens. Select the appropriate settings for the specific job you are sending to print. Print settings selected from the driver have precedence over the default menu settings selected from the operator panel or Tool Box.

You may need to click **Preferences** from the initial **Print** box to see all of the available system settings you can change. If you are not familiar with a feature in the printer driver window, open the online Help for more information.

To print a job from a typical Windows® application:

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1. Open the file you want to print.
2. From the **File** menu, select **Print**.
3. Verify that the correct printer is selected in the dialog box. Modify the system settings as needed (such as the pages you want to print or the number of copies).
4. Click **Preferences** to adjust system settings not available from the first screen, and then click **OK**.
5. Click **OK** or **Print** to send the job to the selected printer.

Canceling a Print Job

There are several methods for canceling a print job.

Canceling From the Operator Panel

To cancel a job after it has started printing:

1. Press the **X** (**Cancel**) button.

   NOTE: Printing is canceled only for the current job. All the following jobs will continue to print.

Canceling a Job From the Computer Running Windows

Canceling a Job From the Taskbar

When you send a job to print, a small printer icon appears in the right corner of the taskbar.

1. Double-click the printer icon.

   A list of print jobs appears in the printer window.
2. Select the job you want to cancel.
3. Press **Delete** on the keyboard.

Canceling a Job From the Desktop

1. Minimize all programs to reveal the desktop.

   Click **Start→ Printers and Faxes** (for Windows XP).

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Click **Start**→ **Devices and Printers** (for Windows 7 and Windows Server® 2008 R2).

Click **Start**→ **Control Panel**→ **Hardware and Sound**→ **Printers** (for Windows Vista®).

Click **Start**→ **Control Panel**→ **Printers** (for Windows Server 2008).

A list of available printers appears.

2 Double-click the printer you selected when you sent the job.

A list of print jobs appears in the printer window.

3 Select the job you want to cancel.

4 Press **Delete** on the keyboard.

Printing a Report Page

By using the `Report/List` menu, you can print a various of settings for your printer including printer settings. This section describes two examples of printing from the `Report/List` menu.

Printing a Printer Settings Page

To verify detailed printer settings, print a printer settings page.

See "Understanding the Printer Menus" on page 215 or "Understanding the Tool Box Menus" on page 197 to identify the display and operator panel buttons if you need help.

The Operator Panel

1 Press the (**Menu**) button.

2 Ensure that `Report/List` appears, and then press the ✓ button.

3 Ensure that `Printer Setting` appears, and then press the ✓ button.

The printer settings page is printed.

The Tool Box

NOTE:

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1 Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

NOTE: The Select Printer window appears in this step, when multiple printer drivers are installed on your computer. In this case, click the name of **Dell 1350cnw Color Printer** listed in Printer Name, and then click OK.

The **Tool Box** opens.

2 Click the **Printer Settings Report** tab.

3 Select **Reports** from the list at the left side of the page.

The **Reports** page is displayed.

4 Click the **Printer Settings** button.

The printer settings page is printed.

Printer Settings

Using the Operator Panel to Change Printer Settings

You can select menu items and corresponding values from the operator panel.

When you first enter the menus from the operator panel, you see an asterisk (*) next to a value in the menus. This asterisk indicates the factory default menu setting. These settings are the original printer settings.

NOTE: Factory defaults may vary for different countries.

When you select a new setting from the operator panel, an asterisk appears next to the setting to identify it as the current user default menu setting.

These settings are active until new ones are selected or the factory defaults are restored.

To select a new value as a setting:

1 Press the (**Menu**) button.

2 Press the ∨ or ∧ button until the desired menu appears, and then press the ✓ button.

3 Press the ∨ or ∧ button until the desired menu or menu item appears, and then press the ✓ button.

- If the selection is a menu, the menu is opened and the first system setting in the menu appears.

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- If the selection is a menu item, the default menu setting for the menu item appears.

Each menu item has a list of values for the menu item. A value can be:

- A phrase or word to describe a setting
- A numerical value that can be changed
- An On or Off setting
- Press the V or Λ button at the same time. This will restore the factory default menu settings. Press the ✓ button to return the settings to the factory default menu settings.

4 Press the V or Λ button to scroll until the desired value appears.

5 Press the ✓ button.

This enables the setting value, which is indicated by an asterisk (*) next to the setting value.

6 Press the X (Cancel) or < button to return to the previous menu.

To continue setting other items, select the desired menu. To quit setting new values, press the X (Cancel) button.

Driver settings may have precedence over changes previously made. In such case, change the defaults of the operator panel.

Using the Tool Box to Change the Printer Settings

You can select menu items and corresponding values from the Tool Box.

NOTE:

NOTE: Factory defaults may vary for different countries. These settings are active until new ones are selected or the factory defaults are restored.

To select a new value as a setting:

1 Click Start→ All Programs→ Dell Printers→ Dell 1350cnw Color Printer→ Tool Box.

NOTE: The Select Printer window appears in this step, when multiple printer drivers are installed on your computer. In this case, click the name of **Dell 1350cnw Color Printer** listed in Printer Name, and then click OK.

The Tool Box opens.

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2 Click the **Printer Maintenance** tab.

3 Select the desired menu item.

Each menu item has a list of values for the menu item. A value can be:

- A phrase or word to describe a setting
- A numerical value that can be changed
- An On or Off setting

4 Select the desired value, and then click the associated button with each menu item.

Driver settings may have precedence over changes previously made. In such case, change the defaults of the Tool Box.

Adjusting the Language

To display a different language on the operator panel:

The Operator Panel

1 Press the (**Menu**) button.

2 Press the ∨ until `Panel Language` appears, and then press the ✓ button.

3 Press the ∨ until the desired language appears, and then press the ✓ button.

The Tool Box

NOTE:

1 Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

NOTE: The Select Printer window appears in this step, when multiple printer drivers are installed on your computer. In this case, click the name of **Dell 1350cnw Color Printer** listed in Printer Name, and then click OK.

The **Tool Box** opens.

2 Click the **Printer Maintenance** tab.

3 Select **System Settings** from the list at the left side of the page.

The **System Settings** page is displayed.

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4 Select the desired language from **Panel Language**, and then press the **Apply New Settings** button.

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Know Your Printer

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Understanding the Tool Box Menus

The Tool Box allows you to view or specify the printer settings. You can also diagnose the printer settings by using the Tool Box.

The Tool Box consists of the **Printer Settings Report**, **Printer Maintenance**, and **Diagnosis** tabs.

NOTE: The **Password** dialog box appears the first time you try to change settings on **Tool Box** when **Panel Lock** is set on the printer. In this case, enter the password you specified, and click **OK** to apply the settings.

NOTE: For how to start Tool Box, see "Understanding Your Printer Software" on page 237.

Printer Settings Report

The **Printer Settings Report** tab contains the **Printer Information**, **Menu Settings**, **Reports**, and **TCP/IP Settings** pages.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

Printer Information

Purpose:

To display the information of your printer.

Values:

Dell Service Tag Number	Displays Dell's service tag number.
Express Service Code	Displays the express service code of the printer.
Printer Serial Number	Displays the serial number of the printer.
Printer Type	Displays the type of the printer. **Color Laser** is displayed normally.
Asset Tag Number	Displays the asset tag number of the printer.
Memory Capacity	Displays the memory capacity.
Processor Speed	Displays the processing speed.

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Firmware Version	Displays the version of the controller.
Network Firmware Version	Displays the NIC version.
MCU Firmware Version	Displays the version of the Machine Control Unit (MCU) firmware.
Printing Speed (Color)	Displays the speed for color printing.
Printing Speed (Monochrome)	Displays the speed for monochrome printing.

Menu Settings

Purpose:

To display the current settings of your printer.

Values:

System Settings	**Power Saver Timer Sleep**	Displays the time taken by the printer before it enters Sleep mode after it finishes a job.
	Power Saver Timer Deep Sleep	Displays the time taken by the printer before it enters Deep Sleep mode after it goes into Sleep mode.
	Fault Time-Out	Displays the time taken by the printer before it cancels jobs that stop abnormally.
	Job Time-Out	Displays the amount of time that the printer waits for data to arrive from the computer.
	Auto Log Print	Displays whether to automatically print a job history report after every 10 jobs.
	mm/inch	Displays the measurement unit used after the numeric value on the operator panel.
	Panel Language	Displays the language used on the operator panel.
	Default Print Paper Size	Displays the default paper size.

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	Low Toner Alert Message	Displays whether to show the alert message when the toner is low.
Paper Density	**Plain**	Displays the paper density of plain paper.
	Label	Displays the paper density of labels.
Adjust BTR	**Plain**	Displays the voltage setting of the transfer roller for plain paper.
	Plain Thick	Displays the voltage setting of the transfer roller for thick plain paper.
	Recycled	Displays the voltage setting of the transfer roller for recycled paper.
	Covers	Displays the voltage setting of the transfer roller for cover paper.
	Coated	Displays the voltage setting of the transfer roller for coated paper.
	Envelope	Displays the voltage setting of the transfer roller for envelopes.
	Label	Displays the voltage setting of the transfer roller for labels.
Adjust Fuser	**Plain**	Displays the temperature setting of the fuser for plain paper.
	Plain Thick	Displays the temperature setting of the fuser for thick plain paper.
	Recycled	Displays the temperature setting of the fuser for recycled paper.
	Covers	Displays the temperature setting of the fuser for cover paper.
	Coated	Displays the temperature setting of the fuser for coated paper.
	Envelope	Displays the temperature setting of the fuser for envelopes.
	Label	Displays the temperature setting of the fuser for labels.

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Auto Registration Adjustment	Displays whether to automatically adjust color registration.
Adjust Altitude	Displays the altitude of the location where the printer is installed.
Non-Dell Toner	Displays whether to use toner cartridge of another manufacturer.
BTR Refresh Mode	Displays whether to execute counter measures for curling/ separating discharge of the paper.

Reports

Purpose:

To print the settings and history information of your printer.

The reports are printed in the paper size specified in printer settings. The default is A4 or Letter.

Values:

Printer Settings	Click to print a detailed list of the printer settings.
Device Settings	Click to print a detailed list of the device settings.
Job History	Click to print the completed jobs history.
Error History	Click to print the error history.
Color Test Page	Click to print a color test page.

TCP/IP Settings

Purpose:

To display the current settings of TCP/IP (Transmission Control Protocol/ Internet Protocol) protocol.

Values:

IP Address Mode	Displays the method for acquiring the IP address.
IP Address	Displays the IP address of your printer.
Subnet Mask	Displays the subnet mask.
Gateway Address	Displays the gateway address.

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Printer Maintenance

The **Printer Maintenance** tab contains the **System Settings**, **Paper Density**, **Adjust BTR**, **Adjust Fuser**, **Color Registration Adjustment**, **Adjust Altitude**, **Reset Defaults**, **Non-Dell Toner**, **BTR Refresh Mode**, **TCP/IP Settings**, and **Network Settings** pages.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

System Settings

Purpose:

To configure the power saving mode, time-out time, job log auto print, mm/inch setting, operator panel language setting, default paper size setting, and low toner alert message setting.

Values:

Sleep*1	5 minutes*	Specifies the time taken by the printer before it enters Sleep mode after it finishes a job.
	5–30 minutes	
Deep Sleep	6 minutes*	Specifies the time taken by the printer before it enters Deep Sleep mode after it goes into Sleep mode.
	1–6 minutes	
Fault Time-Out	0: Off	Disables the fault time-out.
	60 seconds*	Specifies the time taken by the printer before it cancels jobs that stop abnormally. The print job is cancelled if it times out.
	3–300 seconds	
Job Time-Out	0: Off	Disables the job time-out.
	30 seconds*	Specifies the amount of time that the printer waits for data to arrive from the computer. The print job is cancelled if it times out.
	5–300 seconds	

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Auto Log Print	**Off***	Does not automatically print a job history report.
	On	Automatically prints a job history report after every 10 jobs.
mm/inch *2	**millimeter (mm)**	Specifies the measurement unit displayed after the numeric value on the operator panel.
	inch (")	
Panel Language	**English***	Specifies the language to be used on the operator panel.
	French	
	German	
	Italian	
	Spanish	
	Danish	
	Dutch	
	Norwegian	
	Swedish	
Default Print Paper Size *2	**A4**	Specifies the default paper size.
	Letter	
Low Toner Alert Message	**On***	Shows the alert message when the toner is low.
	Off	Does not show the alert message.
Apply New Settings	After you complete the settings, press the **Apply New Settings** button to apply the changes.	
Restart printer to apply new settings	Press the **Restart printer to apply new settings** button to apply the changes.	

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*1 Enter 5 in **Sleep** to put the printer in the Sleep mode five minutes after it finishes a job. This uses less energy, but requires more warm-up time for the printer. Enter 5 if your printer shares an electrical circuit with room lighting and you notice lights flickering.
Select a high value if your printer is in constant use. In most circumstances, this keeps the printer ready to operate with minimum warm-up time. Select a value between 5 and 30 minutes for the Sleep mode if you want a balance between energy consumption and a shorter warm-up period.
The printer automatically returns to the standby mode from the Sleep mode when it receives data from the computer. You can also return the printer to the standby mode by pressing any button on the operator panel.

*2 The default for **mm/inch** and **Default Print Paper Size** vary depending on country-specific factory default.

Paper Density

Purpose:

To specify the paper density.

Values:

Plain	**Normal***	Specifies the paper density of plain paper.
	Light	
Label	**Normal***	Specifies the paper density of labels.
	Light	
Apply New Settings		After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings		Press the **Restart printer to apply new settings** button to apply the changes.

Adjust BTR

Purpose:

To specify the optimum voltage settings for printing for the transfer roller (BTR). To lower the voltage, set negative values. To increase, set positive values.

The default settings may not give the best output on all paper types. If you see mottles on the print output, try to increase the voltage. If you see white spots on the print output, try to decrease the voltage.

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NOTE: The print quality changes depending on the values you select for this item.

Values:

Plain	0*
	-3 – +3
Plain Thick	0*
	-3 – +3
Recycled	0*
	-3 – +3
Covers	0*
	-3 – +3
Coated	0*
	-3 – +3
Envelope	0*
	-3 – +3
Label	0*
	-3 – +3
Apply New Settings	After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings	Press the **Restart printer to apply new settings** button to apply the changes.

Adjust Fuser

Purpose:

To specify the optimum temperature settings for printing for the fuser. To lower the temperature, set negative values. To increase, set positive values.

The default settings may not give the best output on all paper types. When the printed paper has curled, try to lower the temperature. When the toner does not fuse on the paper properly, try to increase the temperature.

NOTE: The print quality changes depending on the values you select for this item.

Values:

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Plain	0*
	-3 – +3
Plain Thick	0*
	-3 – +3
Recycled	0*
	-3 – +3
Covers	0*
	-3 – +3
Coated	0*
	-3 – +3
Envelope	0*
	-3 – +3
Label	0*
	-3 – +3
Apply New Settings	After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings	Press the **Restart printer to apply new settings** button to apply the changes.

Color Registration Adjustment

Purpose:

To set **Color Registration Adjustment** (individual yellow, magenta, cyan correction) settings. When **Auto Registration Adjustment** is set to **On**, the printer prints the color registration chart and adjusts the color registration by using the chart. Color registration adjustments need to be made during the initial setup of the printer or when the printer is moved to a different location.

Values:

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Auto Registration Adjustment	**On***	Automatically adjusts color registration.	
	Off	Does not automatically adjust color registration.	
Auto Correct[*1]		Click **Start** to automatically correct color registration.	
Print Color Regi Chart[*1, *2]		Click **Start** to open the **Print Color Regi Chart** window, and then select the paper size and click **OK** to print a color registration chart.	
Registration Adjustments[*1]	**Y(Yellow)**	0*	Specifies lateral (perpendicular to paper feed direction) color adjustment values individually.
		-5–+5	
	M(Magenta)	0*	
		-5–+5	
	C(Cyan)	0*	
		-5–+5	
	LY(Left Yellow)	0*	Specifies process (paper feed direction) color adjustment values individually.
		-5–+5	
	LM(Left Magenta)	0*	
		-5–+5	
	LC(Left Cyan)	0*	
		-5–+5	
	RY(Right Yellow)	0*	
		-5–+5	
	RM(Right Magenta)	0*	
		-5–+5	
	RC(Right Cyan)	0*	
		-5–+5	
Apply New Settings		After you complete the settings, press the **Apply New Settings** button to apply the changes.	
Restart printer to apply new settings		Press the **Restart printer to apply new settings** button to apply the changes.	

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*1 This item is available only when **Auto Registration Adjustment** is set to Off.

*2 The color registration chart prints a lattice pattern of yellow, magenta, and cyan lines. On the chart, find the values on the right side that are next to the line that is perfectly straight for each of the three colors. If the value for this line is 0, color registration is not needed. If the value for this line is any value other than 0, specify the adjustment values under **Registration Adjustments**.

Adjust Altitude

Purpose:

To specify the altitude of the location where the printer is installed.

The discharge phenomenon for charging the photo conductor varies with barometric pressure. Adjustments are performed by specifying the altitude of the location where the printer is being used.

NOTE: An incorrect altitude adjustment setting leads to poor printing quality, incorrect indication of remaining toner.

Values:

0 meter*	Specifies the altitude of the location where the printer is installed.
1000 meters	
2000 meters	
3000 meters	
Apply New Settings	After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings	Press the **Restart printer to apply new settings** button to apply the changes.

Reset Defaults

Purpose:

To initialize NVM (non-volatile memory) for system parameters. After executing this function and rebooting the printer, all the menu parameters, except the parameters for the network, are reset to their default values.

For details, see "Resetting Defaults" on page 212.

Values:

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Start	Click to initialize the system parameters.

Non-Dell Toner

Purpose:

To use toner cartridge of another manufacturer.

NOTE: Using non-Dell-brand toner cartridges may make some printer features unusable, reduce print quality and decrease the reliability of your printer. Dell recommends only new Dell-brand toner cartridges for your printer. Dell does not provide warranty coverage for problems caused by using accessories, parts, or components not supplied by Dell.

NOTE: Before you use toner cartridge of another manufacturer, be sure to restart the printer.

Values:

Non-Dell Toner	Off*	Does not use toner cartridge of another manufacturer.
	On	Use toner cartridge of another manufacturer.
Apply New Settings		After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings		Press the **Restart printer to apply new settings** button to apply the changes.

BTR Refresh Mode

Purpose:

To execute counter measures for curling/separating discharge of the paper.

Values:

BTR Refresh Mode	**Off***	Does not automatically execute counter measures for curling/separating discharge of the paper.
	On	Automatically executes counter measures for curling/separating discharge of the paper.

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Apply New Settings	After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings	Press the **Restart printer to apply new settings** button to apply the changes.

TCP/IP Settings

Purpose:

To configure TCP/IP settings.

Values:

IP Address Mode	**AutoIP***	Automatically sets the IP address.
	DHCP	Uses DHCP to set the IP address.
	BOOTP	Uses BOOTP to set the IP address.
	RARP	Uses RARP to set the IP address.
	Manually Set	Manually sets the IP address.
IP Address		Manually sets the IP address allocated to the printer.
Subnet Mask		Manually sets the subnet mask.
Gateway Address		Manually sets the gateway address.
Apply New Settings		After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings		Press the **Restart printer to apply new settings** button to apply the changes.

Network Settings

Purpose:

To display the server settings of the **Dell Printer Configuration Web Tool**.

NOTE: When the printer is connected to the USB port, this setting cannot be displayed.

Values:

Print Server Settings	**Display**	Click to display the server settings for the **Dell Printer Configuration Web Tool**.

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Display of EWS	**Off**	Turns off the display of the server settings for the **Dell Printer Configuration Web Tool**.
	On*	Turns on the display of the server settings for the **Dell Printer Configuration Web Tool**.
Apply New Settings		After you complete the settings, press the **Apply New Settings** button to apply the changes.
Restart printer to apply new settings		Press the **Restart printer to apply new settings** button to apply the changes.

Diagnosis

The **Diagnosis** tab contains the **Chart Print**, **Machine Check**, **Environment Sensor Info**, **Developer Stir Mode**, and **Refresh Mode** pages.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

Chart Print

Purpose:

To print various charts that can be used for diagnosing your printer.

Values:

Paper Size	**A4**	Selects the paper size to print charts.
	Letter	
Ghost Configuration Chart		Click to print a chart to check for ghost printing.
4 Colors Configuration Chart		Click to print bands of yellow, magenta, cyan, and black with varying density.
Alignment Chart		Click to print a chart, and then check for proper alignment of the print image on the paper.
Drum Refresh Configuration Chart		Prints a chart to check the light fatigue of the drum cartridge.

Machine Check

Purpose:

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To check the operation of the different components of the printer.

Values:

Machine Check	**Main Motor Operation Check** *	Click **Start** to operate the main motor inside the printer. Confirm the motor sound.
	Feed Roll Operation Check *1	Click **Start** to operate the feed roll. Confirm the motor sound.
	REGI CLUTCH Operation Check	Click **Start** to operate the REGI CLUTCH. Confirm that you can hear the clutch clicking.
	Dispense Motor Check (Yellow)	Click **Start** to operate the dispense motor for each toner cartridge. Confirm the motor sound.
	Dispense Motor Check (Magenta)	
	Dispense Motor Check (Cyan)	
	Dispense Motor Check (Black)	
Play of Sound		Click to play back through speakers of your computer a recording of the normal sound for the currently selected **Machine Check** item.
Start		Click to check the operation of the items selected with **Machine Check** and output the results to **Result**.

*1 When you perform the feed roll operation check, remove the paper from the Multipurpose Feeder (MPF).

Environment Sensor Info

Purpose:

To output the internal environment sensor information of the printer to **Result** by pressing the **Get Environment Sensor Info** button.

Developer Stir Mode

Purpose:

To rotate the developer motor and stir the toner in the toner cartridge.

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Values:

Start	Click to stir the toner.

Refresh Mode

Purpose:

To use up a toner cartridge when you need to replace it before the end of its life, or to stir the toner in a new toner cartridge.

NOTE: Using the Refresh Mode consumes extra toner.

Values:

Yellow	Click to clean the toner in the yellow toner cartridge.
Magenta	Click to clean the toner in the magenta toner cartridge.
Cyan	Click to clean the toner in the cyan toner cartridge.
Black	Click to clean the toner in the black toner cartridge.

Resetting Defaults

After executing this function and rebooting the printer, all the menu parameters, except the parameters for the network, are reset to their default values.

NOTE:

1. Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

   NOTE: When multiple printer drivers are installed on your computer, the **Select Printer** window appears. In this case, click the name of Dell 1350cnw Color Printer listed in **Printer Name**, and then click **OK**.

   The **Tool Box** opens.

2. Click the **Printer Maintenance** tab.
3. Select **Reset Defaults** from the list at the left side of the page.

   The **Reset Defaults** page is displayed.

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4 Click **Start**.

The printer restarts automatically to apply the settings.

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Understanding the Printer Menus

When your printer is configured as a network printer available to a number of users, the access to the Admin Menu menus can be limited. This prevents unauthorized users from using the operator panel to inadvertently change the default menu settings that has been set by the administrator. However, you can select settings for individual print jobs using the printer driver. Print settings selected from the printer driver have precedence over the default menu settings selected from the operator panel.

Report/List

Use the Report/List menu to print the settings and history information of your printer.

NOTE: A Password is required to enter the Report/List menu when Panel Lock Set is set to Enable. In this case, enter the password you specified, and press the ✓ button.

Printer Setting

Purpose:

To print a list of the information such as the printer name, service tag, the status of the printer, consumables, and the network settings.

Device Settings

Purpose:

To print a detailed list of all the settings on the operator panel menus.

Job History

Purpose:

To print a detailed list of the print jobs that have been processed. This list contains the last 10 jobs.

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Error History

Purpose:

To print a detailed list of paper jams and fatal errors.

Color Test Page

Purpose:

To print a page for testing colors.

Admin Menu

Use the `Admin Menu` menu to configure a variety of printer features.

NOTE: A Password is required to enter the `Admin Menu` menu when `Panel Lock Set` is set to `Enable`. In this case, enter the password you specified, and press the ✓ button.

Network

Use the `Network` menu to change the printer settings affecting jobs sent to the printer through the wired or wireless network.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

Ethernet

Purpose:

To specify the communication speed and the duplex settings of Ethernet. The change becomes effective after the printer is turned off and then on.

Values:

Auto*	Detects the Ethernet settings automatically.
10Base Half	Uses 10base-T half-duplex.
10Base Full	Uses 10base-T full-duplex.
100Base Half	Uses 100base-TX half-duplex.
100Base Full	Uses 100base-TX full-duplex.

NOTE: This item is displayed only when the printer is connected with a wired network.

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Wireless Status

Purpose:

To display the information on the wireless signal strength. No changes can be made on the operator panel to improve the status of the wireless connection.

Values:

Good	Indicates good signal strength.
Acceptable	Indicates marginal signal strength.
Low	Indicates insufficient signal strength.
No Reception	Indicates that no signal is received.

NOTE: This item is displayed only when the printer is connected with a wireless network and `Wireless LAN` is set to `Enable`.

Wireless Setup

Purpose:

To configure the wireless network interface.

Values:

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Manual Setup	**Enter (SSID)**	Specify a name to identify the wireless network. Up to 32 alphanumeric characters can be entered.		
	Infra structure	Select when you configure the wireless setting through the access point such as a wireless router.		
		No Security	Specify **No Security** to configure the wireless setting without specifying a security method from **WEP**, **WPA-PSK-TKIP**, and **WPA2-PSK-AES**.	
		WEP (64Bit)	Specify the WEP Key (64Bit) to use through the wireless network. Up to 10 hexadecimal characters can be entered.	
			Transmit Key	Specify the transmit key from **WEP Key 1**, **WEP Key 2**, **WEP Key 3**, and **WEP Key 4**.
		WEP (128Bit)	Specify the WEP Key (128Bit) to use through the wireless network. Up to 26 hexadecimal characters can be entered.	
			Transmit Key	Specify the transmit key from **WEP Key 1**, **WEP Key 2**, **WEP Key 3**, and **WEP Key 4**.

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	WPA-PSK-TKIP	Select to configure the wireless setting with the security method of WPA-PSK-TKIP.	
		Pass Phrase Entry	Specify the pass phrase of alphanumeric characters from 8 to 63 only when **WPA-PSK-TKIP** is selected for **Encryption**.
	WPA2-PSK-AES	Select to configure the wireless setting with the security method of WPA2-PSK-AES.	
		Pass Phrase Entry	Specify the pass phrase of alphanumeric characters from 8 to 63 only when **WPA2-PSK-AES** is selected for **Encryption**.
Ad-hoc	Select to configure the wireless setting without the access point such as a wireless router.		
	No Security	Specify **No Security** to configure the wireless setting without specifying the security method from WEP.	
	WEP (64Bit)	Specify the WEP Key (64Bit) to use through the wireless network. Up to 10 hexadecimal characters can be entered.	
		Transmit Key	Specify the transmit key from **WEP Key 1**, **WEP Key 2**, **WEP Key 3**, and **WEP Key 4**.
	WEP (128Bit)	Specify the WEP Key (128bit) to use through the wireless network. Up to 26 hexadecimal characters can be entered.	
		Transmit Key	Specify the transmit key from **WEP Key 1**, **WEP Key 2**, **WEP Key 3**, and **WEP Key 4**.

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WPS	**Push Btn. Ctrl**	Configures the wireless setting with the security method of WPS-PBC.	
	PIN Code	**Start Config.**	Configures the wireless setting using the PIN code assigned automatically by the printer.
		Print PIN Code	Prints the PIN code. Confirm it when you enter the PIN code to your computer.

NOTE: This item is displayed only when the printer is connected with a wireless network.

Reset Wireless

Purpose:

To initialize wireless network settings. After executing this function and rebooting the printer, all wireless network settings are reset to their default values.

NOTE: This item is displayed only when the printer is connected with a wireless network.

TCP/IP

Purpose:

To configure TCP/IP settings. The change becomes effective after the printer is turned off and then on.

Values:

IP Mode	**Dual Stack***	Uses both IPv4 and IPv6 to set the IP address.
	IPv4 Mode	Uses IPv4 to set the IP address.
	IPv6 Mode	Uses IPv6 to set the IP address.

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IPv4	**Get IP Address**	**Panel**	Enables the IP address entered on the operator panel.
		AutoIP*	Automatically sets the IP address.
		BOOTP	Uses BOOTP to set the IP address.
		RARP	Uses RARP to set the IP address.
		DHCP	Uses DHCP to set the IP address.
	IP Address		Manually sets the IP address allocated to the printer.
	Subnet Mask		Manually sets the subnet mask.
	Gateway Address		Manually sets the gateway address.

Protocol

Purpose:

To enable or disable each protocol. The change becomes effective after the printer is turned off and then on.

Values:

LPD	**Enable***	Enables the LPD port.
	Disable	Disables the LPD port.
Port9100	**Enable***	Enables the Port9100 port.
	Disable	Disables the Port9100 port.
WSD	**Enable***	Enables the WSD port.
	Disable	Disables the WSD port.
SNMP UDP	**Enable***	Enables the UDP port.
	Disable	Disables the UDP port.
E-Mail Alert	**Enable***	Enables the E-mail Alert feature.
	Disable	Disables the E-mail Alert feature.
EWS	**Enable***	Enables an access to **Dell Printer Configuration Web Tool** embedded in the printer.
	Disable	Disables an access to **Dell Printer Configuration Web Tool** embedded in the printer.
Bonjour (mDNS)	**Enable***	Enables the Bonjour (mDNS).
	Disable	Disables the Bonjour (mDNS).

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LLTD	**Disable***	Disables the LLTD.
	Enable	Enables the LLTD.

Purpose:

To block data received from certain IP addresses through the wired or wireless network. You can set up to five IP addresses. The change becomes effective after the printer is turned off and then on.

Values:

No. n/ Address (n is 1-5.)	Sets the IP address for Filter *n*.	
No. n/Mask (n is 1-5.)	Sets the address mask for Filter *n*.	
No. n/ Mode (n is 1-5.)	**Off***	Disables the feature for Filter *n*.
	Accept	Accepts an access from the specified IP address.
	Reject	Rejects an access from the specified IP address.

NOTE: This item is only available for `LPD` or `Port9100`.

Reset LAN

Purpose:

To initialize wired network data stored in NVM (non-volatile memory). After executing this function and rebooting the printer, all wired network settings are reset to their default values.

Wireless LAN

Purpose:

To enable the wireless connection.

Enable*	Enables the wireless connection.
Disable	Disables the wireless connection.

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NOTE: When you use the USB connection and do not use the wireless connection, you need to disable the wireless LAN.

USB Settings

Use the `USB Settings` menu to change printer settings affecting a USB port.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

USB Port

Purpose:

To change the USB settings on your printer. The change becomes effective after the printer is turned off and then on.

Values:

Enable*	Enables the USB interface.
Disable	Disables the USB interface.

System Settings

Use the `System Settings` menu to configure the power saving mode, time-out time, job log auto print, mm/inch setting, default paper size setting, and low toner alert setting.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

PowerSaver Time

Purpose:

To specify the time for transition to power saver mode.

Options:

Sleep	**5min.***	Specifies the time taken by the printer before it enters Sleep mode after it finishes a job.
	5–30min.	
Deep Sleep	**6min.***	Specifies the time taken by the printer before it enters Deep Sleep mode after it goes into Sleep mode.
	1–6min.	

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Enter 5 in `Sleep` to put the printer in the Sleep mode five minutes after it finishes a job. This uses less energy, but requires more warm-up time for the printer. Enter 5 if your printer shares an electrical circuit with room lighting and you notice lights flickering.

Select a high value if your printer is in constant use. In most circumstances, this keeps the printer ready to operate with minimum warm-up time. Select a value between 5 and 30 minutes for the Sleep mode if you want a balance between energy consumption and a shorter warm-up period.

The printer automatically returns to the standby mode from the Sleep mode when it receives data from the computer. You can also return the printer to the standby mode by pressing any button on the operator panel.

Fault Time-Out

Purpose:

To specify the time taken by the printer before it cancels jobs that stop abnormally. The print job is cancelled if it times out.

Options:

On*	60 sec.* 3–300 sec.	Specifies the time taken by the printer before it cancels jobs that stop abnormally.
Off		Disables the fault time-out.

Job Time-Out

Purpose:

To specify the amount of time that the printer waits for data to arrive from the computer. The print job is cancelled if it times out.

Options:

On*	30 sec.* 5–300 sec.	Specifies the amount of time that the printer waits for data to arrive from the computer.
Off		Disables the job time-out.

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mm/inch

Purpose:

To specify the measurement unit displayed after the numeric value on the operator panel.

Values:

millimeter (mm)	Specifies the default measurement unit.
inch (")	

NOTE: The default for `mm/inch` varies depending on country-specific factory default.

Def. Paper Size

Purpose:

To specify the default paper size.

Values:

A4
Letter

NOTE: The default for `Def. Paper Size` varies depending on country-specific factory default.

Auto Log Print

Purpose:

To automatically print a job history report after every 10 jobs.

Values:

Off*	Does not automatically print a job history report.
On	Automatically prints a job history report.

NOTE: The job history report can also be printed using the `Report/List` menu.

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Low Toner Msg

Purpose:

To specify whether to show the alert message when toner is low.

Values:

On*	Shows the alert message when the toner is low.
Off	Does not show the alert message when the toner is low.

Maintenance

Use the `Maintenance` menu to initialize the NV (non-volatile) memory, configure the plain paper quality adjustment settings, and configure the security settings.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

F/W Version

Purpose:

To display the version of the controller.

Service Tag

Purpose:

To display the service tag of the printer.

Express Code

Purpose:

To display the express service code of the printer.

Paper Density

Purpose:

To specify the paper density.

Values:

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Plain	Normal*
	Light
Label	Normal*
	Light

Adjust BTR

Purpose:

To specify the optimum voltage settings for printing for the transfer roller (BTR). To lower the voltage, set negative values. To increase, set positive values.

The default settings may not give the best output on all paper types. If you see mottles on the print output, try to increase the voltage. If you see white spots on the print output, try to decrease the voltage.

NOTE: The print quality changes depending on the values you select for this item.

Values:

Plain	0*
	-3 – +3
Plain Thick	0*
	-3 – +3
Covers	0*
	-3 – +3
Label	0*
	-3 – +3
Coated	0*
	-3 – +3
Envelope	0*
	-3 – +3
Recycled	0*
	-3 – +3

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Adjust Fuser

Purpose:

To specify the optimum temperature settings for printing for the fuser. To lower the temperature, set negative values. To increase, set positive values.

The default settings may not give the best output on all paper types. When the printed paper has curled, try to lower the temperature. When the toner does not fuse on the paper properly, try to increase the temperature.

NOTE: The print quality changes depending on the values you select for this item.

Values:

Plain	0*
	-3 – +3
Plain Thick	0*
	-3 – +3
Covers	0*
	-3 – +3
Label	0*
	-3 – +3
Coated	0*
	-3 – +3
Envelope	0*
	-3 – +3
Recycled	0*
	-3 – +3

Auto Reg Adj

Purpose:

To specify whether to automatically adjust color registration.

Values:

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On*	Automatically adjusts color registration.
Off	Does not automatically adjust color registration.

Color Reg Adj

Purpose:

To specify whether to manually adjust color registration.
Color registration adjustments need to be made during the initial setup of the printer or when the printer is moved to a different location.

NOTE: The `Color Reg Adj` feature can be configured when `Auto Reg Adj` is set to `Off`.

Values:

Auto Correct	Automatically corrects color registration.
ColorRegi Chart	Prints a color registration chart. The color registration chart prints a lattice pattern of yellow, magenta, and cyan lines. On the chart, find the values on the right side that are next to the line that is perfectly straight for each of the three colors. If the value for this line is 0, color registration is not needed. If the value for this line is any value other than 0, specify the adjustment values under `Enter Number`.

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Enter Number	**Y**	0*	Specifies lateral (perpendicular to paper feed direction) color adjustment values individually for Y (Yellow), M (Magenta), C (Cyan).
		-5–+5	
	M	0*	
		-5–+5	
	C	0*	
		-5–+5	
	LY	0*	Specifies process (paper feed direction) color adjustment values individually for LY (Left Yellow), LM (Left Magenta), LC (Left Cyan), RY (Right Yellow), RM (Right Magenta) and RC (Right Cyan).
		-5–+5	
	LM	0*	
		-5–+5	
	LC	0*	
		-5–+5	
	RY	0*	
		-5–+5	
	RM	0*	
		-5–+5	
	RC	0*	
		-5–+5	

Clean Developer

Purpose:

To rotate the developer motor and stir the toner in the toner cartridge.

Toner Refresh

Purpose:

To use up a toner cartridge when you need to replace it before the end of its life, or to stir the toner in a new toner cartridge.

Values:

Yellow	Cleans the toner in the yellow toner cartridge.
Magenta	Cleans the toner in the magenta toner cartridge.

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Cyan	Cleans the toner in the cyan toner cartridge.
Black	Cleans the toner in the black toner cartridge.

BTR Refresh

Purpose:

Specify whether to execute counter measures for curling/separating discharge of the paper.

Values:

Off*	Does not automatically execute counter measures for curling/ separating discharge of the paper.
On	Automatically executes counter measures for curling/separating discharge of the paper.

Chart

Purpose:

To print various charts that can be used for diagnosing your printer.

Ghost	Prints a chart to check for ghost printing.
4Colors	Prints bands of yellow, magenta, cyan, and black with varying density.
Alignment	Prints a chart, and then check for proper alignment of the print image on the paper.
Drum Refresh	Prints a chart to check the light fatigue of the drum cartridge.

Reset Defaults

Purpose:

To initialize NVM (non-volatile memory) for system parameters. After executing this function and rebooting the printer, all the menu parameters, except the parameters for the network, are reset to their default values.

For details, see "Resetting Defaults" on page 236.

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Non-Dell Toner

Purpose:

To use toner cartridge of another manufacturer.

NOTE: Using non-Dell-brand toner cartridges may make some printer features unusable, reduce print quality and decrease the reliability of your printer. Dell recommends only new Dell-brand toner cartridges for your printer. Dell does not provide warranty coverage for problems caused by using accessories, parts, or components not supplied by Dell.

NOTE: Before you use toner cartridge of another manufacturer, be sure to restart the printer.

Values:

Off*	Does not use toner cartridge of another manufacturer.
On	Uses toner cartridge of another manufacturer.

Adjust Altitude

Purpose:

To specify the altitude of the location where the printer is installed.

The discharge phenomenon for charging the photo conductor varies with barometric pressure. Adjustments are performed by specifying the altitude of the location where the printer is being used.

NOTE: An incorrect altitude adjustment setting leads to poor printing quality, incorrect indication of remaining toner.

Values:

0m*	Specifies the altitude of the location where the printer is installed.
1000m	
2000m	
3000m	

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Secure Settings

Use the Secure Settings menu to set a password to limit access to the menus. This prevents items from being changed accidentally.

NOTE: Values marked by an asterisk (*) are the factory default menu settings.

Panel Lock

Panel Lock Set

Purpose:

To restrict access to Admin Menu and Report/List.

For details see "Panel Lock Function" on page 234.

Values:

Disable*	Does not restrict access to Admin Menu and Report/List.	
Enable	Restricts access to Admin Menu and Report/List with a password.	
	New Password	Sets a password required to access Admin Menu and Report/List.
	Re-enter	Enters the new password again to confirm

Change Password

Purpose:

To change a password to limit access to the menus.

Values:

Current Password	Enter the current password to change the password.
New Password	Enter the new password.
Re-enter	Enter the new password again to confirm.

NOTE: This item is displayed only when Panel Lock set is set to Enable.

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Login Error

Purpose:

To set the maximum number of failed login attempts before an administrator is denied access to `Admin Menu` and `Report/List`.

Values:

Off*	Does not set the maximum number of failed login attempts.	
On	5times	Sets the maximum number of failed login attempts.
	1 - 10times	

NOTE: This item is available only when `Panel Lock Set` is set to `Enable`.

Panel Language

Purpose:

To specify the language to be used on the operator panel.

Values:

English*	Français
Italiano	Deutsch
Español	Dansk
Nederlands	Norsk
Svenska	

Panel Lock Function

This feature prevents unauthorized users from changing settings made by the administrator. However, you can select settings for individual print jobs using the printer driver.

Enabling the Panel Lock

1 Press the (**Menu**) button.

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2. Press the V button until `Admin Menu` appears, and then press the ✓ button.
3. Press the V button until `Secure Settings` appears, and then press the ✓ button.
4. Ensure that `Panel Lock` appears, and then press the ✓ button.
5. Ensure that `Panel Lock Set` appears, and then press the ✓ button.
6. Press the V button until `Enable` appears, and then press the ✓ button.
7. Enter the new password, and then press the ✓ button.
8. Re-enter the password to confirm the password that you entered, and then press the ✓ button.

NOTE: If you forget your password, turn off the printer. Then, while holding the **(Menu)** button, turn on the printer. Continue to hold the **(Menu)** button until the display indicates `Init Password Are you sure?`. Release the **(Menu)** button and press the ✓ button. Press the < button to select `Yes`, then press the ✓ button. The display will briefly indicate the password has been initialized.

NOTE: If you change the password, perform steps 1 and 2. Enter the current password, and then press the ✓ button. Perform steps 3 and 4. Press the V button until `Change Password` appears, and then press the ✓ button. Enter the current password, and then press the ✓ button. Perform step 7 and 8. This will change the password.

Disabling the Panel Lock

1. Press the (Menu) button.
2. Press the V button until `Admin Menu` appears, and then press the ✓ button.
3. Enter the password, and then press the ✓ button.
4. Press the V button until `Secure Settings` appears, and then press the ✓ button.
5. Ensure that `Panel Lock` appears, and then press the ✓ button.
6. Ensure that `Panel Lock Set` appears, and then press the ✓ button.
7. Press the V button until `Disable` appears, and then press the ✓ button.
8. Enter the current password, and then press the ✓ button.

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Resetting Defaults

After executing this function and rebooting the printer, all the menu parameters, except the parameters for the network, are reset to their default values.

1. Press **the** (**Menu**) button.
2. Press the V button until `Admin Menu` appears, and then press the ✓ button.
3. Press the V button until `Maintenance` appears, and then press the ✓ button.
4. Press the V button until `Reset Defaults` appears, and then press the ✓ button.
5. Ensure that `Are you sure?` appears, and then press the ✓ button.

   The printer restarts automatically to apply the settings.

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17

Understanding Your Printer Software

Use the *Drivers and Utilities* CD that shipped with your printer to install a combination of software programs, depending on your operating system.

Windows®

Printer Status Window

The **Printer Status** window alerts you when there is a warning or when an error occurs, for example, when a paper jam occurs or toner is running low.

By default, the **Printer Status** window launches only when an error occurs. When an error occurs, the error message appears on the **Printer Status** window. You can set the **Printer Status** window to always launch when printing in **Printing Status Window Properties**.

You can also check the toner level of your printer.

Status Monitor Console

Use the **Status Monitor Console** to manage multiple instances of the **Status Window** for a particular printer.

Select a printer from the list view (or **Printer Selection**) by clicking its name to open a **Status Window** for a particular printer.

Dell Supplies Management System

You can launch the **Dell Supplies Management System** dialog box from the **All Programs** menu or the desktop icon.

You can order consumables by phone or from the web.

1. Click **Start**→ **All Programs**→ **Dell Printers**→ **Additional Color Laser Software**→ **Dell Supplies Management System**.

   The **Dell Supplies Management System** window appears.

2. Select your printer from the **Select Printer Model** list.

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3 If you are ordering from the web:

a Select a web address from the **Select Reorder URL** list.

b Click **Visit Dell printer supplies ordering web site**.

Dell 1350cnw Color Printer - Dell Supplies Management System window appears.

c Enter the Service Tag, and then click **OK**.

If you order by phone, call the number that appears in the **Order by Phone** section.

Software Update

The firmware and/or driver updates can be downloaded from the Dell Support website located at **support.dell.com**.

Quick Launch Utility

Using the **Quick Launch Utility** window, you can open **Status Window**, **Tool Box**, **Updater** and **Troubleshooting**.

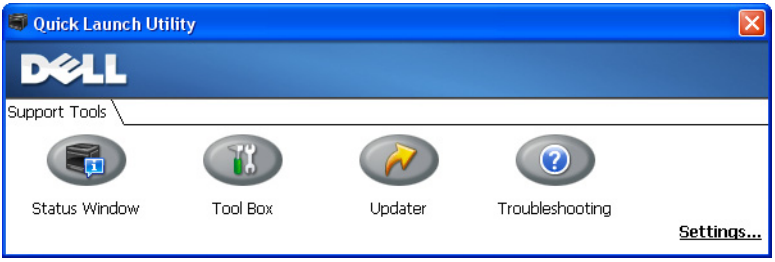
To use the **Quick Launch Utility**, select to install the **Quick Launch Utility** when you install the Dell software.

For information about installing the software, see "Setting Up for Shared Printing" on page 91.

To open the **Quick Launch Utility** window:

1 Click **Start**→ **All Programs**→ **Dell Printers**→ **Additional Color Laser Software**→ **Quick Launch Utility.**

The **Quick Launch Utility** dialog box opens.



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2 The **Quick Launch Utility** window provides four buttons; **Status Window**, **Tool Box**, **Updater**, and **Troubleshooting.**

To exit, click the X button at the top-right of the window.

For details, click the **Help** button of each application.

Status Window	Click to open the **Printing Status** window. See "Printer Status Window" on page 237.
Tool Box	Click to open the Tool Box. See "Understanding the Tool Box Menus" on page 197.
Updater	Click to update the Dell software and printer firmware.
Troubleshooting	Click to open the Troubleshooting Guide, which allows you to resolve issues by yourself.

User Setup Disk Creating Tool

The **User Setup Disk Creating Tool** program located in the **MakeDisk** folder of the **Utilities** folder on the *Drivers and Utilities* CD and the printer drivers located on the *Drivers and Utilities* CD are used to create driver installation packages that contain custom driver settings. A driver installation package can contain a group of saved printer driver settings and other data for things such as:

- Print orientation and Multiple Up (document settings)
- Watermarks

If you want to install the printer driver with the same settings to multiple computers running on the same operating system, create a setup disk in a floppy disk or in a server on the network. Using the setup disk that you have created will reduce the amount of work required when installing the printer driver.

- Install the Dell™ 1350cnw Color Printer driver in the computer on which the setup disk is to be created.
- The setup disk can only be used on the operating system on which the disk was created or computers running the same operating system. Create a separate setup disk for each of the operating systems.

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Macintosh®

Status Monitor Widget

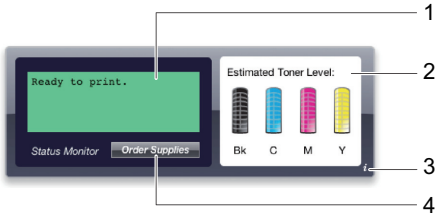
Status Monitor Widget is a printer utility that promotes efficient use of the printer through the exchange of information between the Macintosh and the printer.

To open the **Status Monitor Widget**:

Click the Dashboard icon in the dock to launch Dashboard.

NOTE: If the `Select a printer.` message is displayed, select your printer in **Preferences**. For more information on Preference, see "Preferences" on page 242.

Status Monitor window appears.



1 Printer Status Message Area

Displays a message of the current printer status.

NOTE: The **Status Monitor Widget** automatically obtains the printer information at the updated interval that can be specified in **Preferences**. Also, the printer status is refreshed when Dashboard is launched or **Preferences** is closed.

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NOTE: If you receive no response from the printer or the printer is processing a job using a USB connection, the message `Cannot get printer information` is displayed.

2 Printer Status Image Area

Displays the image of printer condition.

- Estimated Toner Level image

  Displays the estimated toner level of each color if the printer is functioning properly.

NOTE: If the utility does not receive a response from the printer, the **Unknown** toner image is displayed.

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- Printer error image

  Displays an indication image when an error occurs.

  An error has occurred and the printer requires your attention to correct a problem.

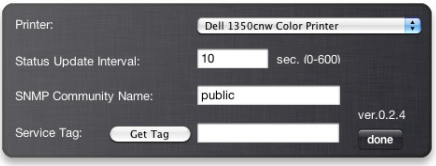
  An error has occurred and the printer cannot be used.

  An unknown error has occurred and the printer cannot be used.

3 Info (i) button

Click this button to open **Preferences**.

NOTE: The **Info (i)** button appears on the lower-right corner of the window when the cursor is over the **Status Monitor** window.



Printer	Displays a list of available printer names in the drop-down list. The first printer displayed in this list is set as default.
Status Update Interval	You can update the interval of the printer status. By default, it is set to obtain the printer information every 10 seconds. The range varies between 0 and 600.

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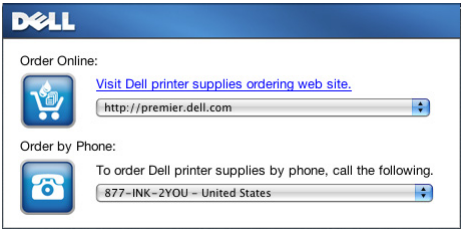
SNMP Community Name	You can change the SNMP (Simple Network Management Protocol) community name if using default community name (public). Up to 31 characters can be entered.
Service Tag button	Click Get Tag button to obtain the service tag.
done button	Click this button to return to the **Printer Status** window.

4 Order Supplies button

Click this button to display the **Order** window.

This window provides you with the information for ordering printer supplies by telephone or from the web site.

NOTE: The **Order** window automatically appears when low toner is detected.


DELL
Order Online:
Visit Dell printer supplies ordering web site.
http://premier.dell.com
Order by Phone:
To order Dell printer supplies by phone, call the following.
877-INK-2YOU – United States

Order Online	Select a web address from the drop-down list and click **Visit Dell printer supplies ordering web site**. hyperlink to access the web site for ordering Dell printer supplies.
Order by Phone	Displays a list of available phone numbers that you can call to order Dell printer supplies.

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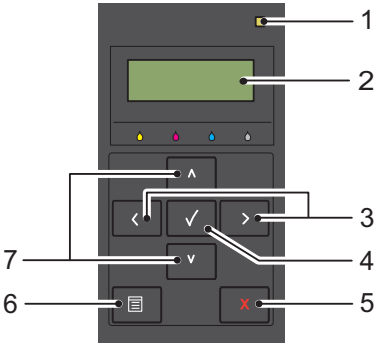
Understanding Printer Messages

The printer operator panel displays messages describing the current state of the printer and indicates possible printer problems you must resolve. This chapter describes messages, their meanings, and how to clear them.

NOTICE: When an error code is displayed, the print data remaining on the printer and the information accumulated in the memory of the printer are not secured.



1	Ready/Error indicator*	2	LCD Panel
3	< > buttons	4	✓ button
5	X (**Cancel**) button	6	(**Menu**) button
7	∧ ∨ buttons		

* Lights up green when the printer is ready or sleeping and blinks when data is being received. Lights up orange when an error occurs and blinks when an unrecoverable print error occurs.

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Error-Code	What you can do
001-360	Turn off the printer, and then on. If this does not solve the problem, contact Dell. See "Contacting Dell" on page 312.
003-340	
003-356	
006-370	
007-340	
007-371	
009-654	
010-354	
010-377	
016-302	
016-313	
016-315	
016-317	
016-324	
016-338	
016-340	
016-344	
016-345	
016-346	
016-347	
016-370	
016-383	Press the ✓ button. Contact Dell if this message appears repeatedly. See "Contacting Dell" on page 312.
016-384	
016-385	
016-386	
016-387	
016-391	

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Error-Code	What you can do
016-392	Turn off the printer, and then on. If this does not solve the problem, contact Dell. See "Contacting Dell" on page 312.
016-393	
016-394	
016-700	Press the ✓ button to cancel the current print job. See "Canceling a Print Job" on page 188.
016-720	
016-799	Press the ✓ button to cancel the current print job. See "Canceling a Print Job" on page 188.
016-920	Press the ✓ button. Execute the operation again according to the operation procedure.
016-921	
016-922	Press the ✓ button. Set only wireless LAN access point (Registrar) to be operated with WPS-PBC, and execute the operation again according to the operation procedure.
024-360	Turn off the printer, and then on. If this does not solve the problem, contact Dell. See "Contacting Dell" on page 312.
024-914	Load the specified paper. See "Loading Print Media in the Multipurpose Feeder (MPF)" on page 166 or "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 173.
024-969	Load the appropriate paper. See "Loading Print Media in the Multipurpose Feeder (MPF)" on page 166 or "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 173.
027-452	Change IP address to avoid duplication. Turn off the printer, and turn it on again.
027-446	
075-100	Check and clear the paper path, load the specified paper, and then press the ✓ button. See "Clearing Paper Jams From the Front of the Printer" on page 279.
075-921	Load paper for the second side (odd) pages, and press the ✓ button. See Figure "Manual Duplex Printing (Windows Printer Driver Only)" on page 179.
077-100	Check and clear the paper path. See "Clearing Jams" on page 277.
077-101	
077-102	Check and clear the paper path. See "Clearing Paper Jams From the Back of the Printer" on page 280.

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Error-Code	What you can do
077-104	Check and clear the paper path. See "Clearing Jams" on page 277.
077-105	
077-300	Close the rear cover.
077-900	Check and clear the paper path. See "Clearing Paper Jams From the Output Tray" on page 282.
077-901	Check and clear the paper path. See "Clearing Jams" on page 277.
092-310	Clean the CTD sensor. See "Cleaning the Color Toner Density (CTD) Sensor" on page 269.
092-910	
093-423	"Replace the specified toner cartridge soon. Order a new consumable from **www.dell.com/supplies** See "Removing the Toner Cartridges" on page 263.
093-424	
093-425	
093-426	
093-919	Re-install or replace the specified toner cartridge. See "Replacing Toner Cartridges" on page 263.
093-920	
093-921	
093-922	
093-930	Remove the specified toner cartridge and install a new one. If you do not replace the toner cartridge, print quality problems may occur. Order a new consumable from **www.dell.com/supplies** See "Replacing Toner Cartridges" on page 263.
093-931	
093-932	
093-933	
093-940	Re-install the specified toner cartridge. See "Installing a Toner Cartridge" on page 264.
093-941	
093-942	
093-943	
093-960	Replace the specified toner cartridge with the supported one. Order a new consumable from **www.dell.com/supplies** See "Replacing Toner Cartridges" on page 263.
093-961	
093-962	
093-963	

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Error-Code	What you can do
093-970	Re-install the specified toner cartridge. See "Installing a Toner Cartridge" on page 264.
093-971	
093-972	
093-973	
093-974	
124-333	Turn off the printer, and then on. If this does not solve the problem, contact Dell. See "Contacting Dell" on page 312.
191-310	
193-700	This message indicates the printer is in the non-Dell toner mode.

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Printing with Web Services on Devices (WSD)

This section provides information for network printing with WSD, the new Windows Vista®, Windows Server® 2008, Windows Server 2008 R2, and Windows® 7 protocol of Microsoft®.

Adding Roles of Print Services

When you use Windows Server 2008 or Windows Server 2008 R2, you need to add the roles of print services to the Windows Server 2008 or Windows Server 2008 R2 client.

For Windows Server 2008:

1. Click **Start**→ **Administrative Tools**→ **Server Manager**.
2. Select **Add Roles** from the **Action** menu.
3. Check the **Print Services** check box on the **Server Roles** window in the **Add Roles Wizard**, and then click **Next**.
4. Check the **Print Server** check box, and then click **Next**.
5. Click **Install**.

For Windows Server 2008 R2:

1. Click **Start**→ **Administrative Tools**→ **Server Manager**.
2. Select **Add Roles** from the **Action** menu.
3. Check the **Print and Document Services** check box on the **Server Roles** window in the **Add Roles Wizard**, and then click **Next**.
4. Click **Next**.
5. Check the **Print Server** check box, and then click **Next**.
6. Click **Install**.

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Printer Setup

You can install your new printer on the network using the *Drivers and Utilities* CD that shipped with your printer, or using Microsoft's Windows **Add Printer** wizard.

Installing a Printer Driver Using the Add Printer Wizard

1. Click **Start**→ **Control Panel**→ **Hardware and Sound**→ **Printers** (**Start**→ **Devices and Printers** for Windows Server 2008 R2 and Windows 7).
2. Click **Add a printer** to launch the **Add Printer** wizard.
3. Select **Add a network, wireless or Bluetooth printer**.
4. In the list of available printers, select the one you want to use, and then click **Next**.

   NOTE: In the list of available printers, the WSD printer is displayed in the form of **http://IP address/ws/**.

   NOTE: If no WSD printer is displayed in the list, enter the printer's IP address manually to create a WSD printer. To enter the printer's IP address manually, follow the instructions below. For Windows Server 2008 R2, to create a WSD printer, you must be a member of Administrators group.
   1. Click **The printer that I want isn't listed**.
   2. Select **Add a printer using a TCP/IP address or hostname** and click **Next**.
   3. Select **Web Services Device** from **Device type**.
   4. Enter the printer's IP address in the **Hostname or IP address** text box and click **Next**.

   NOTE: Before installing the driver using the **Add Printer**? wizard on Windows Server 2008 R2 or Windows 7, perform one of the followings:

   - Establish the Internet connection so that Windows Update can scan your computer.
   - Add the printer driver to your computer in advance.
5. If prompted, install the printer driver on your computer. If you are prompted for an administrator password or confirmation, type the password or provide confirmation.
6. Complete the additional steps in the wizard, and then click **Finish**.
7. Print a test page to verify print installation.

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a Click **Start**→ **Control Panel**→ **Hardware and Sound**→ **Printers** (**Start**→ **Devices and Printers** for Windows Server 2008 R2 and Windows 7).

b Right-click the printer you just created, and then click **Properties** (**Printer properties** for Windows Server 2008 R2 and Windows 7).

On the **Options** tab, set each setting item, and then click **Apply**.

c On the **General** tab, click **Print Test Page**. When a test page is printed successfully, installation is complete.

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Specifications

Operating System Compatibility

Your Dell™ 1350cnw Color Printer is compatible with Microsoft® Windows® XP, Windows XP 64-bit Edition, Windows Server® 2003, Windows Server 2003 x64 Edition, Windows Server 2008, Windows Server 2008 64-bit Edition, Windows Server 2008 R2, Windows Vista®, Windows Vista 64-bit Edition, Windows 7, and Windows 7 64-bit Edition, Mac OS® X Version 10.3.9, 10.4.11, 10.5.8, and 10.6.

[1] Dell technical phone support only supports factory-installed operating systems (Microsoft) for the first 30 days for free. See **http://www1.us.dell.com/content/products/compare.aspx/laser?c=us&cs=555&l=en&s=biz** for more details. The customer will have to purchase technical support from the manufacturer of the operating system in order to get technical assistance beyond 30 days.

[2] If the customer has other operating systems and has purchased Gold Technical Support (for more information on Gold Technical Support, see **http://www1.us.dell.com/content/topics/global.aspx/services/en/gts?c=us&cs=555&l=en&s=biz**), the telephone support will be a "best effort" attempt to resolve the operating system issue. If the manufacturer needs to be contacted, the customer must pay an additional fee for that support. The only time that Dell pays for the third party support is when Dell is responsible for the issue. In the case of getting the printer installed and working, this is configuration and the customer would be responsible for paying.

Power Supply

Rated Voltage	220-240 VAC	110-127 VAC
Frequency	50/60 Hz	50/60 Hz
Current	5.0 A	11.0 A

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Dimensions

Height: 225 mm (8.9 inches) Width: 394 mm (15.5 inches) Depth: 300 mm (11.8 inches)

Weight (not including cartridge): 11.3 kg (24.9 lb)

Memory

Base memory	128 MB

Page Description Language (PDL)/Emulation, Operating System, and Interface

PDL/Emulations	Host-based printing system	
OSes	Microsoft Windows 7, Windows 7 64-bit Edition, Windows Vista, Windows Vista 64-bit Edition, Windows Server 2008, Windows Server 2008 64-bit Edition, Windows Server 2008 R2, Windows XP, Windows XP 64-bit Edition, Windows Server 2003, Windows Server 2003 x64 Edition, Mac OS X Version 10.3.9, 10.4.11, 10.5.8, and 10.6	
Interfaces	Standard local:	USB 2.0
	Standard network:	10Base-T/100Base-TX Ethernet
		IEEE 802.11b/802.11g/ 802.11n(Wireless)

MIB Compatibility

A Management Information Base (MIB) is a database containing information about network devices (such as adapters, bridges, routers, or computers). This information helps network administrators manage the network (analyze performance, traffic, errors, and so on). Dell™ 1350cnw Color Printer complies with standard industry MIB specifications, allowing the printer to be recognized and managed by various printer and network management software systems.

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Environment

Operation

Temperature	10-32°C
Relative humidity	10-85% RH (no condensation)

Print Quality Guarantee

Temperature	15-28°C
Relative humidity	20-70% RH (no condensation)

Storage

Temperature range	-20-40°C
Storage humidity range	5-85% RH (no condensation)

Altitude

Operating	Up to 3,100 m (10,000 feet)
Storage	70.9275 Kpa

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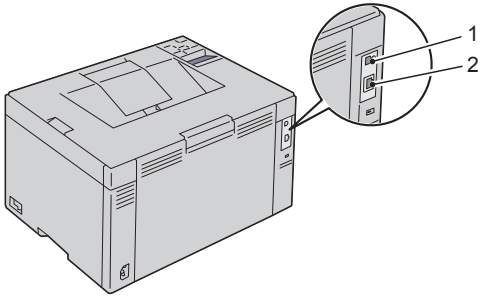
Cables

Your interconnection cable must meet the following requirements:

	Connection type	Connection specifications and symbols
1	USB	USB 2.0
2	Ethernet	10 Base-T/100 Base-TX



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Maintaining Your Printer

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Maintaining Your Printer

Periodically, your printer requires you to complete certain tasks to maintain optimum print quality. If several people are using the printer, you may want to designate a key operator to maintain your printer. Refer printing problems and maintenance tasks to this key operator.

Determining the Status of Supplies

If your printer is connected to the network, the **Dell™ Printer Configuration Web Tool** can provide instant feedback on remaining toner levels. Type the IP address of your printer in your web browser to view this information. To use the **E-Mail Alert Setup** feature that notifies you when the printer requires new supplies, type your name or the name of the key operator in the e-mail list box.

On the operator panel, you can also confirm the following:

- Any supply or maintenance items that require attention replacing (However, the printer can only display information about one item at a time).
- Amount of toner remaining in each toner cartridge.

Conserving Supplies

You can change several settings in your printer driver to conserve toner cartridge and paper.

Supply	Setting	Function
Toner cartridge	**Toner Saving Mode** in the **Advanced** tab of the printer driver	This check box allows the users to select a print mode that uses less toner. When this feature is used, the image quality will be lower than when it is not used.

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Supply	Setting	Function
Print media	**Multiple Up** in the **Layout** tab of the printer driver	The printer prints two or more pages on one side of a sheet. The available numbers that each printer driver can print one sheet of paper are as follows: • Windows Printer Driver: 2, 4, 8, 16, or 32 pages • Macintosh Printer Driver: 2, 4, 6, 9, or 16 pages Combined with the duplex setting, **Multiple Up** allows you to print up to 64 pages on one sheet of paper. (32 images on the front and 32 on the back)

Storing Print Media

To avoid potential paper feeding problems and uneven print quality, you need to consider the following points:

- To achieve the best possible print quality, store print media in an environment where the temperature is approximately 21°C (70°F) and the relative humidity is 40%.
- Store cartons of print media on a pallet or shelf, rather than directly on the floor.
- If you store individual packages of print media out of the original carton, ensure that they rest on a flat surface so the edges do not buckle or curl.
- Do not place anything on top of the print media packages.

Storing Consumables

Store consumables in their original packaging until you need to use them. Do not store consumables in:

- Temperatures greater than 40°C (104°F).
- An environment with extreme changes in humidity or temperature.
- Direct sunlight.
- Dusty places.

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- A car for a long period of time.
- An environment where corrosive gases are present.
- An environment with salty air.

Replacing Toner Cartridges

CAUTION: Before replacing toner cartridges, read and follow the safety instructions in your *Product Information Guide*.

Dell toner cartridges are available only through Dell. You can order more cartridges online at **http://www.dell.com/supplies** or by phone. To order by phone, see "Contacting Dell" on page 312.

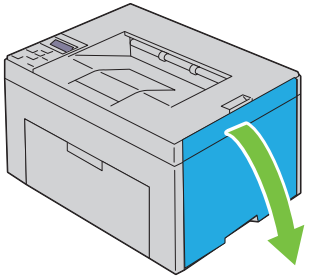
It is recommended that you use Dell toner cartridges for your printer. Dell does not provide warranty coverage for problems caused by using accessories, parts, or components not supplied by Dell.

CAUTION: Never throw used toner cartridges into fire. The residual toner could explode resulting in burns and injuries.

CAUTION: Do not shake the used toner cartridge to avoid spilling of toner.

Removing the Toner Cartridges

1. Turn off the printer.
2. Open the toner access cover.



3. Pinch the cartridge firmly as shown in the illustration.

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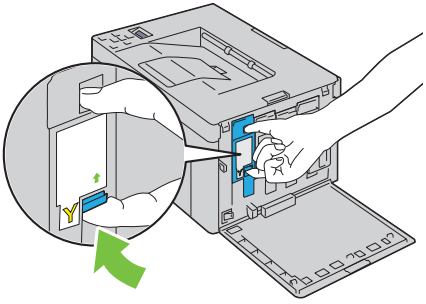
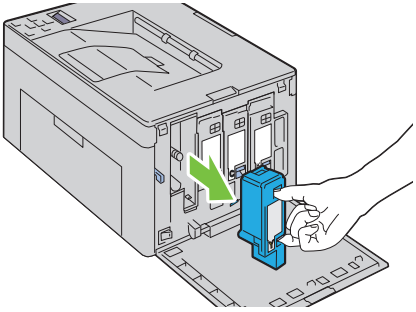


CAUTION: Always pull the cartridge out slowly so that you do not spill any toner.

4 Pull the toner cartridge out.



Installing a Toner Cartridge

1 Unpack a new toner cartridge of the desired color and shake it five to six times to distribute the toner evenly.

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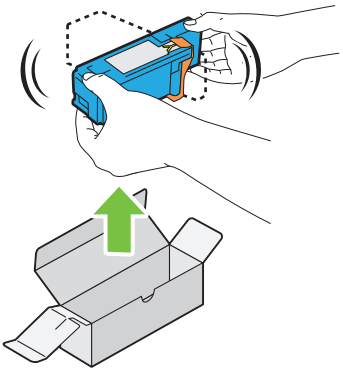
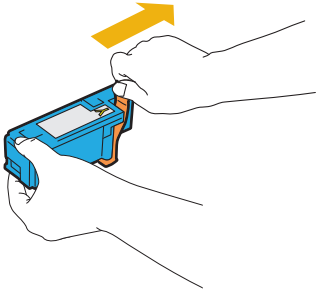


NOTE: Ensure that the color of the new toner cartridge matches that on the handle before replacing it.

NOTE: Handle the toner cartridge carefully to avoid spillage of the toner.

2 Remove the tape from the toner cartridge.



3 Adjust the toner cartridge to the associated cartridge holder, and then insert it firmly by pressing near the center of the label until the cartridge clicks.

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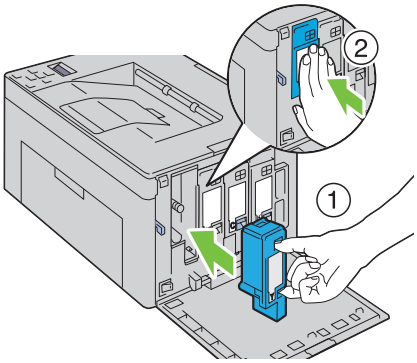
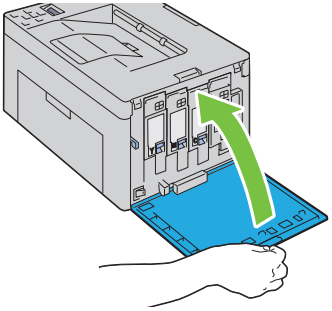


4 Close the toner access cover.



Cleaning Inside the Printer

CAUTION: To prevent electric shock, always turn off the printer and disconnect the power cable from the grounded outlet before performing maintenance.

1 Confirm that the printer is not in operation, and open the toner access cover.

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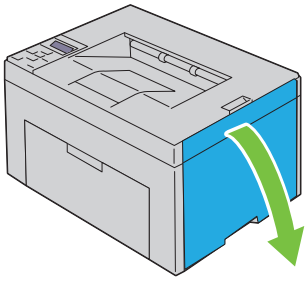
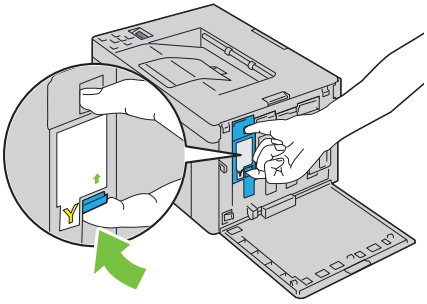
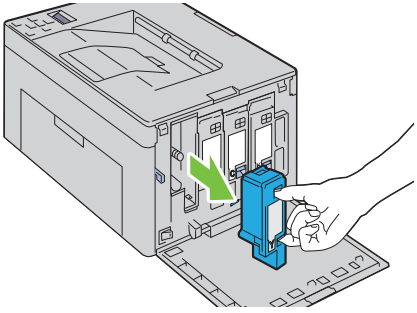


2 Pinch the cartridge firmly as shown in the illustration.



3 Pull the toner cartridge out.



4 Pull the other three cartridges out as well.

5 Pull the cleaning rod out.

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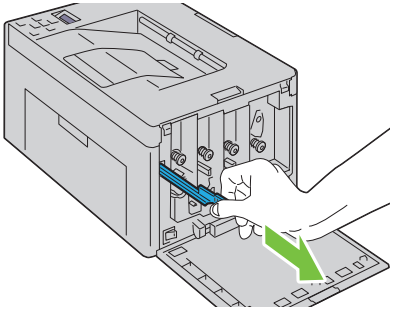
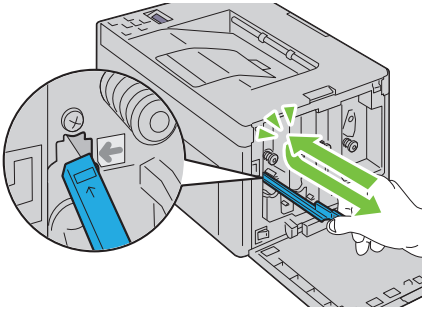
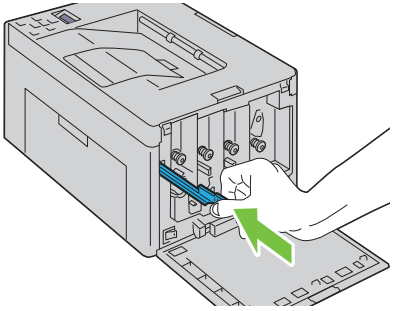


6 Insert the cleaning rod fully into the hole beside the arrow on the printer until its tip reaches the interior of the printer as illustrated below, and then pull it out.



7 Repeat the same procedure for the other three holes.

8 Return the cleaning rod to its original location.



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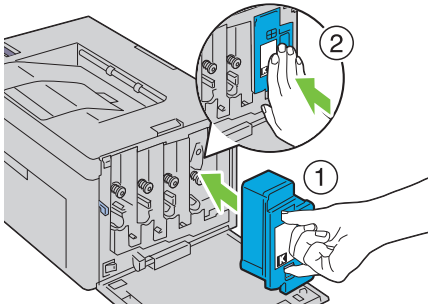
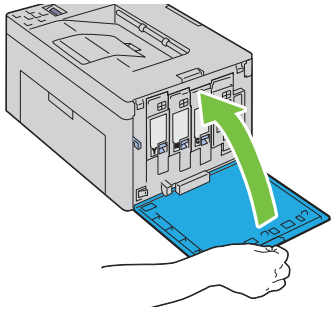
9 Replace the black cartridge by adjusting it to the associated cartridge holder, and then insert it firmly by pressing near the center of the label until the cartridge clicks.



10 Replace the other three cartridges as well.

11 Close the toner access cover.



Cleaning the Color Toner Density (CTD) Sensor

Clean the CTD sensor only when an alert for the CTD sensor is shown on the Status Monitor or operator panel.

1 Ensure that the printer is turned off.

2 Push the rear cover release handle and open the rear cover.

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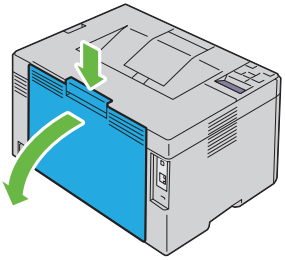
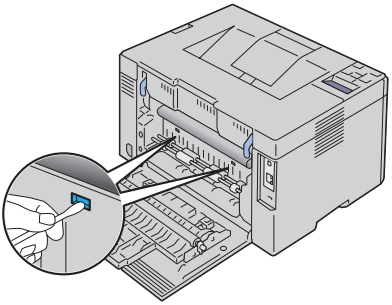
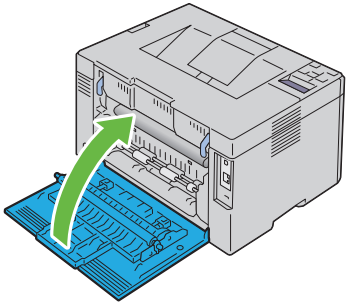


3 Clean the CTD sensor inside the printer with a clean dry cotton swab.



4 Close the rear cover.



Adjusting Color Registration

This section describes how to adjust the color registration when you first install the printer or after moving it to a new location.

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Performing Auto Correct

`Auto Correct` on the operator panel allows you to correct the color registration automatically.

1. Press the (**Menu**) button.
2. Press the ∨ button until `Admin Menu` appears, and then press the ✓ button.
3. Press the ∨ button until `Maintenance` appears, and then press the ✓ button.
4. Press the ∨ button until `Color Reg Adj` appears, and then press the ✓ button.
5. Ensure that `Auto Correct` appears, and then press the ✓ button.
6. Ensure that `Are you sure?` appears, and then press the ✓ button.

   Auto correct is performed.

Printing the Color Registration Chart

The Operator Panel

1. Load paper. For details about loading paper, see "Loading Paper" on page 45.
2. Press the (**Menu**) button.
3. Press the ∨ button until `Admin Menu` appears, and then press the ✓ button.
4. Press the ∨ button until `Maintenance` appears, and then press the ✓ button.
5. Press the ∨ button until `Color Reg Adj` appears, and then press the ✓ button.
6. Press the ∨ button until `Color Regi Chart` appears, and then press the ✓ button.

   The color registration chart is printed.

The Tool Box

NOTE:

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1 Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

NOTE: The Select Printer window appears in this step, when multiple printer drivers are installed on your computer. In this case, click the name of **Dell 1350cnw Color Printer** listed in Printer Name, and then click OK.

The **Tool Box** opens.

2 Click the **Printer Maintenance** tab.

3 Select **Color Registration Adjustment** from the list at the left side of the page.

The **Color Registration Adjustment** page is displayed.

4 Click the **Start** button next to **Color Regi Chart**.

The color registration chart is printed.

Determining Values

On the color registration chart printed, find the straightest lines where the two black lines and the colored line are most closely aligned for each color (Y, M, and C).

If you find the straightest line, make a note of the value (-5–+5) indicated by the straightest line for each color.

When the value is 0 for each color, you do not need to adjust the color registration.

When the value is not 0, enter the value according to the procedure in "Entering Values" on page 273.

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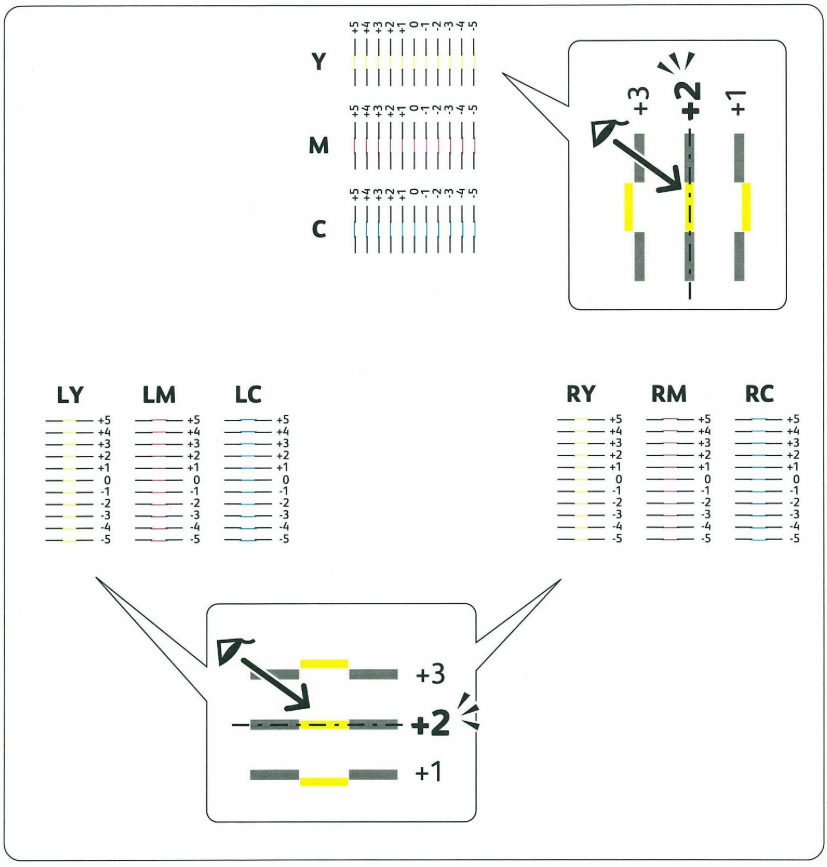

Entering Values

The Operator Panel

Using the operator panel, enter the values that you found in the color registration chart to make adjustments.

1. Load paper. For details about loading paper, see "Loading Paper" on page 45.
2. Press the (**Menu**) button.

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3 Press the V button until `Admin Menu` appears, and then press the ✓ button.

4 Press the V button until `Maintenance` appears, and then press the ✓ button.

5 Press the V button until `Color Reg Adj` appears, and then press the ✓ button.

6 Press the V button until `Enter Number` appears, and then press the ✓ button.

7 Ensure that `Enter (Y, M, C)` appears, and then press the V or Λ button until you reach the value (for example, +3) displayed on the chart.

8 Press the > button once and move the cursor to the next value.

9 Repeat steps 7 and 8 to enter all of the digits, and then press the ✓ button.

10 Ensure that `Enter (LY, LM, LC)` appears.

11 Press the V or Λ button until you reach the value (for example, +3) displayed on the chart.

12 Press the > button once and move the cursor to the next value.

13 Repeat steps 11 and 12 to enter all of the digits, and then press the ✓ button.

14 Ensure that `Enter (RY, RM, RC)` appears.

15 Press the V or Λ button until you reach the value (for example, +3) displayed on the chart.

16 Press the > button once and move the cursor to the next value.

17 Repeat steps 15 and 16 to enter all of the digits, and then press the ✓ button.

18 Press the X (**Cancel**) button.

19 Press the V button until `Color Regi Chart` appears, and then press the ✓ button.

The color registration chart is printed with the new values.

20 Press the ✓ button.

21 Adjust till all straight lines are at the value of 0. Viewing the images before and after will help.

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The Tool Box

NOTE:

Using the Tool Box, enter the values that you found in the color registration chart to make adjustments.

1. Click **Start**→ **All Programs**→ **Dell Printers**→ **Dell 1350cnw Color Printer**→ **Tool Box**.

   NOTE: The Select Printer window appears in this step, when multiple printer drivers are installed on your computer. In this case, click the name of **Dell 1350cnw Color Printer** listed in Printer Name, and then click OK.

   The **Tool Box** opens.

2. Click the **Printer Maintenance** tab.
3. Select **Color Registration Adjustment** from the list at the left side of the page.

   The **Color Registration Adjustment** page is displayed.

4. Select the value with the straight line, and then click the **Apply New Settings** button.
5. Click the **Start** button next to **Print Color Regi Chart**.

   The color registration chart is printed with the new values.

6. Adjust till all straight lines are at the value of 0. Show image of before and after adjustment will help.

NOTE: After printing the color registration chart, do not turn off the printer until the printer motor has stopped running.

NOTE: If 0 is not next to the straightest lines, determine the values and adjust the printer again.

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Clearing Jams

Careful selection of appropriate print media and proper loading allow you to avoid paper jams. See "Print Media Guidelines" on page 155 for more information.

NOTE: Before buying large quantities of any print media, it is recommended that you try a sample first.

Avoiding Jams

- Use only recommended print media. See "Print Media Guidelines" on page 155 for more information.
- See "Loading Print Media in the Multipurpose Feeder (MPF)" on page 166 and "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 173 to load print media properly.
- Do not overload the print media sources. Ensure that the stack print media height does not exceed the maximum height indicated by the line with an arrow on each width guide.
- Do not load wrinkled, creased, damp, or curled print media.
- Flex, fan, and straighten print media before you load it. If a jam occurs with print media, try feeding one sheet at a time through the MPF or the PSI.
- Do not use print media that you have cut or trimmed yourself.
- Do not mix print media sizes, weights, or types in the same print media source.
- Ensure that the recommended print side is face up when you insert the print media.
- Keep print media stored in an acceptable environment. For more information, see "Storing Print Media" on page 162.
- Do not remove the PSI during a print job.
- Ensure that all cables that connect to the printer are correctly attached.
- Over tightening the guides may cause jams.

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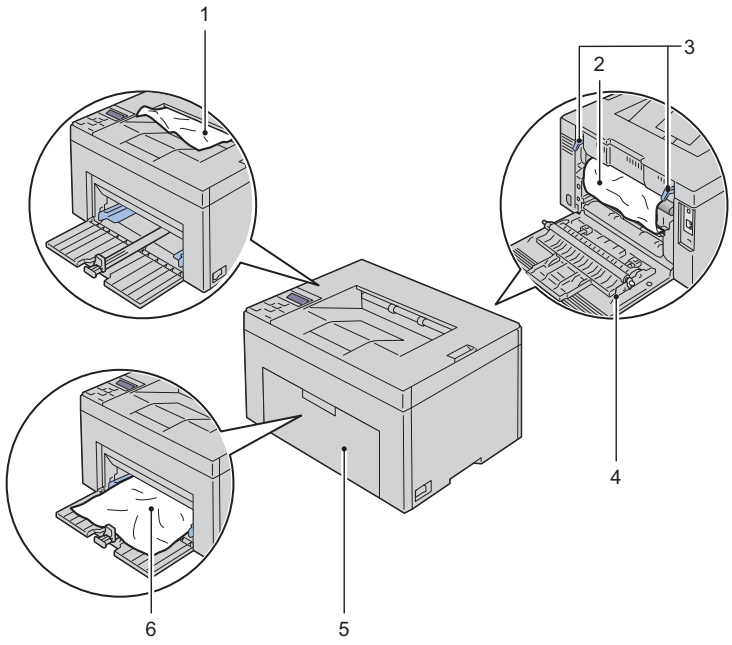
Identifying the Location of Paper Jams

CAUTION: Do not attempt to clear any jams using tools or instruments. This may permanently damage the printer.

The following illustration shows where paper jams may occur along the print media path.



1	Output Tray
2	Transfer Belt
3	Fuser Release Lever
4	Rear Cover
5	Front Cover
6	Multipurpose Feeder (MPF)

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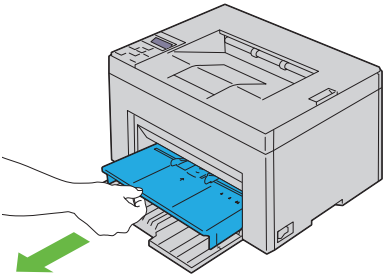
Clearing Paper Jams From the Front of the Printer

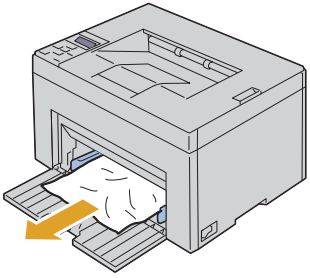
CAUTION: Before performing any of the following procedures, read and follow the safety instructions in your Product Information Guide.

NOTE: To resolve the error displayed on the operator panel, you must clear all print media from the print media path.

1 Pull the PSI out.



2 Remove any paper jammed from the front of the printer.



3 Replace the PSI in the printer.

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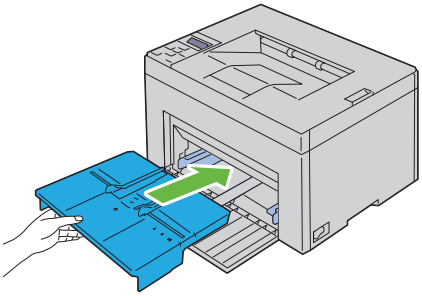


CAUTION: Do not use excessive force on the tray. Doing so could damage the tray or the inside of the printer.

Clearing Paper Jams From the Back of the Printer

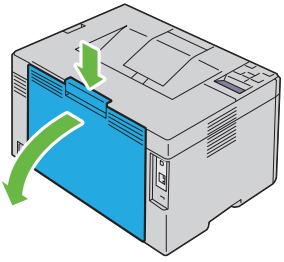
CAUTION: Before performing any of the following procedures, read and follow the safety instructions in your Product Information Guide.

CAUTION: To prevent electric shock, always turn off the printer and disconnect the power cable from the grounded outlet before performing maintenance.

CAUTION: To avoid burns, do not clear paper jams immediately after printing. The fuser becomes extremely hot during use.

NOTE: To resolve the error displayed on the operator panel, you must clear all print media from the print media path.

1 Push the rear cover release handle and open the rear cover.



2 Lift up the fuser release levers.

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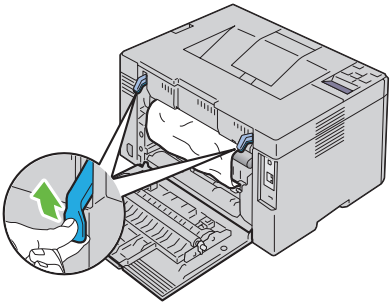
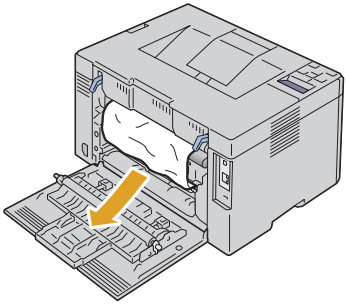
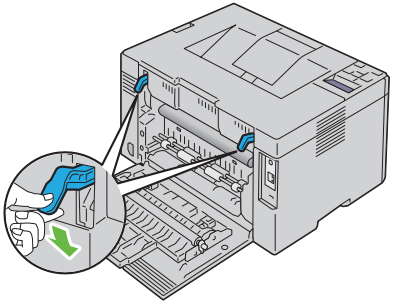


3 Remove any paper jammed from the back of the printer.



4 Lower the fuser release levers to their original position.



5 Close the rear cover.

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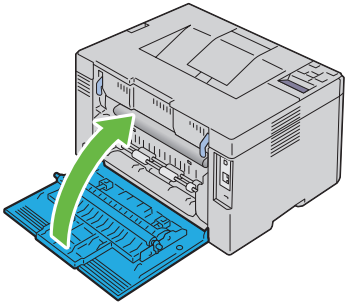


Clearing Paper Jams From the Output Tray

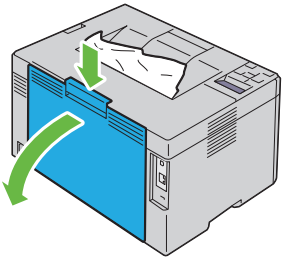
CAUTION: Before performing any of the following procedures, read and follow the safety instructions in your Product Information Guide.

CAUTION: To prevent electric shock, always turn off the printer and disconnect the power cable from the grounded outlet before performing maintenance.

CAUTION: To avoid burns, do not clear paper jams immediately after printing. The fuser becomes extremely hot during use.

NOTE: To resolve the error displayed on the operator panel, you must clear all print media from the print media path.

1 Push the rear cover release handle and open the rear cover.



2 Lift up the fuser release levers.

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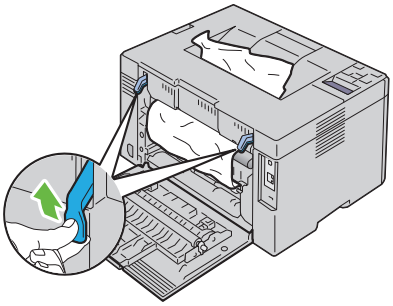
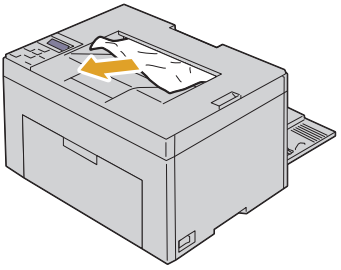
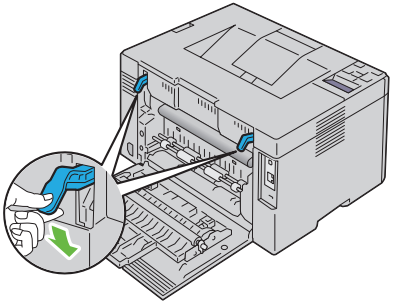


3 Remove any paper jammed from the back of the printer. If no paper is found in the paper path, then remove any paper jammed out of the output tray.



4 Lower the fuser release levers to their original position.



5 Close the rear cover.

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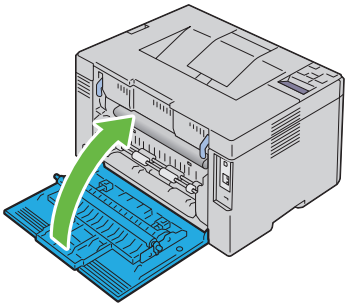

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Troubleshooting

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23

Troubleshooting

Basic Printer Problems

Some printer problems can be easy to resolve. If a problem occurs with your printer, check each of the following:

- The power cable is connected to the printer, and to a properly grounded electrical outlet.
- The printer is turned on.
- The electrical outlet is not turned off at any switch or breaker.
- Other electrical equipment plugged into the outlet is working.
- When your printer is connected to the network with the Ethernet cable, the USB cable is not connected between the printer and the computer.
- When your printer is connected to the computer with the USB cable, the Ethernet cable is not connected between the printer and the network.

If you have checked all of the above and still have a problem, turn off the printer, wait for 10 seconds, and then turn on the printer. This often fixes the problem.

Display Problems

Problem	Action
After the printer is turned on, the display on the operator panel is blank, keeps showing `Please wait...`, or the back light is not lit.	• Turn off the printer, wait for 10 seconds, and turn on the printer. • Self Test Message appears on the operator panel. When the test is completed, `Ready to Print` is displayed.

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Problem	Action
Menu settings changed from the operator panel have no effect.	Settings in the software program, the printer driver, or the printer utilities have precedence over the settings made on the operator panel. Change the menu settings from the printer driver, the printer utilities, or the software program instead of the operator panel.

Printing Problems

Problem	Action
Job did not print or incorrect characters printed.	Ensure that `Ready to Print` appears on the operator panel before you send a job to print. Press the (**Menu**) button to return to `Ready to Print`.
	Ensure that print media is loaded in the printer. Press the (**Menu**) button to return to `Ready to Print`.
	Verify that you are using the correct printer driver.
	Ensure that you are using the correct Ethernet or USB cable and that it is securely connected to the printer.
	Verify that the correct print media size is selected.
	If you are using a print spooler, verify that the spooler has not stalled.
	Check the interface of your printer from the `Admin Menu`. Determine the host interface you are using. Print a panel settings page to verify that the current interface settings are correct. Refer to "Printing a Device Settings Page" on page 184 for details on how to print a operator panel settings page.

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Problem	Action
Print media misfeeds or multiple feeds occur	Ensure that the print media you are using meets the specifications for your printer. See "Supported Paper Sizes" on page 162 for more information.
	Fan the print media before loading it.
	Ensure that the print media is loaded correctly.
	Do not overfill the print media sources.
	Do not force print media into the Priority Sheet Inserter (PSI) or the Multipurpose Feeder (MPF) when you load it. Otherwise, it may skew or buckle.
	Ensure that the print media is not curled.
	Load the recommended print side correctly for the type of print media you are using. See "Loading Print Media" on page 165 for more information.
	Turn the print media over or around and try printing again to see if feeding improves.
	Do not mix print media types.
	Do not mix reams of print media.
	Remove the top and bottom curled sheets of a ream before loading the print media.
	Load a print media source only when it is empty.
The envelope is creased after printing.	Ensure that the envelope is loaded as instructed in "Loading Print Media in the Multipurpose Feeder (MPF)" on page 166 or "Loading Print Media in the Priority Sheet Inserter (PSI)" on page 173.
Page breaks in unexpected places.	Increase the setting for **Time-Out** in the **Printer Settings** menu in the **Dell Printer Configuration Web Tool**.
Job prints from the wrong source or on the wrong print media.	Check the `Paper Type` on the printer operator panel and in the printer driver.
Print media does not stack neatly in the output bin.	Turn the print media stack over in the PSI and MPF.

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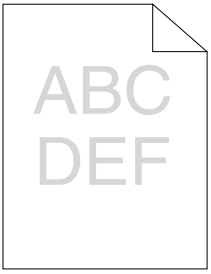
Print Quality Problems

NOTE: In this section, some procedures that use the Tool Box can also be performed using the operator panel or **Dell Printer Configuration Web Tool**. For information on how to use the operator panel and Dell Configuration Web Tool, see "Understanding the Printer Menus" on page 215 and "Dell Printer Configuration Web Tool" on page 109.

The output is too light



Action		Yes	No
1	The toner cartridges may be low or need to be replaced. Confirm the amount of toner in each toner cartridge. **1** Check the toner level in the **Status** tab in the Status Monitor. **2** Replace the toner cartridges as necessary. Is the problem recovered?	The task is complete.	Go to action 2.
2	Verify that the print media is not damp and the correct print media is used. See "Supported Paper Sizes" on page 162. If not, use the print media recommended for the printer. Is the problem recovered?	The task is complete.	Go to action 3.

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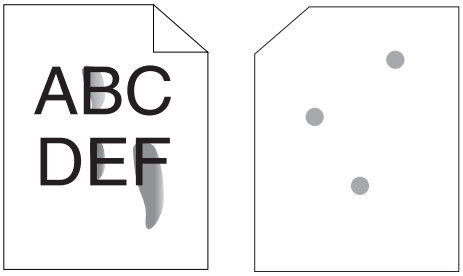
Action		Yes	No
3	Verify that the **Paper Type** setting in the printer driver matches the print media you loaded. **1** On the **Paper/Output** tab in **Printing Preferences** of the printer driver, check the **Paper Type** setting. **2** Load dry (not damp) and corrected print media, and then click **Print Test Page** in **Properties** of the printer driver. Is the problem recovered?	The task is complete.	Go to action 4.
4	Disable the **Toner Saving Mode** in the printer driver. **1** On the **Advanced** tab in **Printing Preferences** of the printer driver, ensure that the **Toner Saving Mode** check box is not selected. Is the problem recovered?	The task is complete.	Contact Dell.

Toner smears or print comes off/Stain on back side



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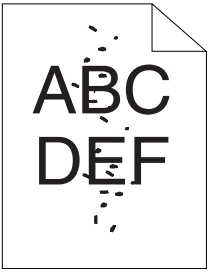
Action		Yes	No
1	The print media surface may be uneven. Try changing the **Paper Type** setting in the printer driver. For example, change the plain paper to thick. **1** On the **Paper/Output** tab in **Printing Preferences** of the printer driver, change the **Paper Type** setting. Is the problem recovered?	The task is complete.	Go to action 2.
2	Verify that the correct print media is being used. See "Supported Paper Sizes" on page 162. If not, use the print media recommended for the printer. Is the problem recovered?	The task is complete.	Go to action 3.
3	Adjust the fuser temperature. **1** Launch the Tool Box, click **Adjust Fuser** on the **Printer Maintenance** tab. **2** Adjust the fixing temperature by turning up the value for your printing media. **3** Click **Apply New Settings**. **4** Click close box to exit Tool Box. Is the problem recovered?	The task is complete.	Contact Dell.

Random spots/Blurred images



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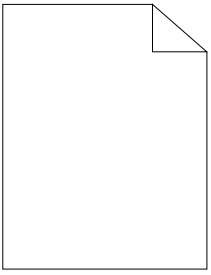
Action		Yes	No
1	Ensure that the toner cartridges are installed correctly. See "Installing a Toner Cartridge" on page 264. Is the problem recovered?	The task is complete.	Go to action 2.
2	If you use non-Dell brand toner cartridges, install Dell brand toner cartridges. Is the problem recovered?	The task is complete.	Go to action 3.
3	Clean up the fuser unit. **1** Load one sheet of paper on the MPF, and then print a solid image all over paper. **2** Load the printed sheet with the side to be printed on facing down, and then print a blank sheet of paper. Is the problem recovered?	The task is complete.	Contact Dell.

The entire output is blank



If this trouble comes out, contact Dell.

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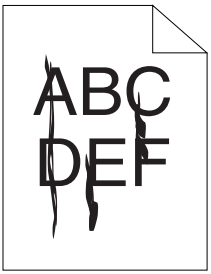
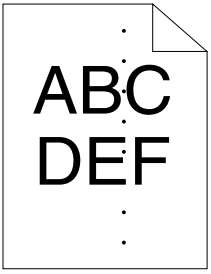
Streaks appear on the output



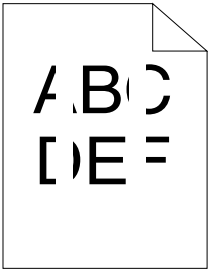
If this trouble comes out, contact Dell.

Pitched color dots



If this trouble comes out, contact Dell.

Vertical blanks



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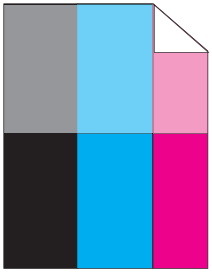
Action	Yes	No
1 Clean inside the printer and performing test print. **1** Clean inside the printer by using the cleaning rod. See "Cleaning Inside the Printer" on page 266. **2** Click **Print Test Page** in **Properties** of the printer driver. Is the problem recovered?	The task is complete.	Contact Dell.

Mottle

Action	Yes	No
1 Adjust the transfer bias. **1** Launch the Tool Box, click **Adjust BTR** on the **Printer Maintenance** tab. **2** Adjust the setting for the type of print media being used. Is the problem recovered?	The task is complete.	Go to action 2.
2 If you use non-recommended print media, use the print media recommended for the printer. Is the problem recovered?	The task is complete.	Contact Dell.

Ghosting



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Action	Yes	No
1 Adjust the transfer bias. 1 Launch the Tool Box, click **Chart Print** on the **Diagnosis** tab. 2 Click the **Ghost Configuration Chart** button. The Ghost Configuration Chart is printed. 3 Launch the Tool Box, click **BTR Refresh Mode** on the **Printer Maintenance** tab. 4 Check the check box next to **On**, and then click **Apply New Settings**. 5 Click **Chart Print** on the **Diagnosis** tab. 6 Click the **Ghost Configuration Chart** button. The Ghost Configuration Chart is printed. Is the problem recovered?	The task is complete.	Go to action 2.
2 The print media surface may be uneven. Try changing the **Paper Type** setting in the printer driver. For example, change the plain paper to thick. 1 On the **Paper/Output** tab in **Printing Preferences** of the printer driver, change the **Paper Type** setting. Is the problem recovered?	The task is complete.	Go to action 3.
3 Adjust the fuser temperature. 1 Launch the Tool Box, and click **Adjust Fuser** on the **Printer Maintenance** tab. 2 Adjust the fixing temperature by turning up the value for your printing media. 3 Click **Apply New Settings**. 4 Click close box to exit Tool Box. Is the problem recovered?	The task is complete.	Go to action 4.
4 If you use non-recommended print media, use the print media recommended for the printer. Is the problem recovered?	The task is complete.	Contact Dell.

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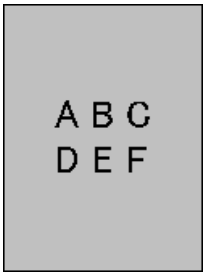
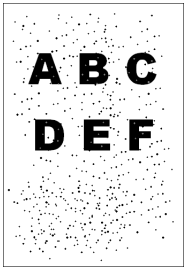
Fog



Action		Yes	No
1	Is the whole page printed light?	Contact Dell.	Go to action 2.
2	Start **Developer Stir Mode**. **1** Launch the Tool Box, click **Developer Stir Mode** on the **Diagnosis** tab. **2** Click the **Start** button. Is the problem recovered?	The task is complete.	Contact Dell.

Bead-Carry-Out (BCO)



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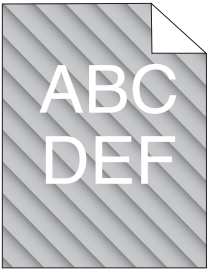
Action	Yes	No
1 If the printer is installed in a high altitude location, set the altitude of the location. **1** Launch the Tool Box, and click **Adjust Altitude** on the **Printer Maintenance** tab. **2** Select the value close to the altitude of the location where the printer is installed. Is them problem recovered?	The task is complete.	Contact Dell.

Auger mark



Action	Yes	No
1 The toner cartridges may be low or need to be replaced. Confirm the amount of toner in each toner cartridge. **1** Check the toner level in the **Status** tab in the Status Monitor. **2** Replace the toner cartridges as necessary. Is the problem recovered?	The task is complete.	Contact Dell.
2 Start **Developer Stir Mode**. **1** Launch the Tool Box, click **Developer Stir Mode** on the **Diagnosis** tab. **2** Click the **Start** button. Is the problem recovered?	The task is complete.	Contact Dell.

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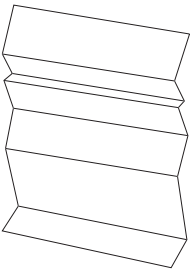
Wrinkled/Stained paper



Action		Yes	No
1	Verify that the correct print media is being used. See "Supported Paper Sizes" on page 162 and "Print Media Guidelines" on page 155. If not, use the print media recommended for the printer. Is the problem recovered?	The task is complete.	If printing on an envelope, go to action 2. If printing on print media other than envelopes, contact Dell.
2	Check the crease. Is the crease within 30 mm of the four edges of the envelope?	This type of crease is considered normal. Your printer is not at fault.	If the envelope is 220 mm or longer (C5 or Envelope#10), go to action 3a. If the envelope is shorter than 220 mm (Monarch or DL), go to action 3b.
3a	Does the envelope have a flap on the long edge?	The envelope is Envelope#10. Go to 4b.	The envelope is C5. Go to action 4a.

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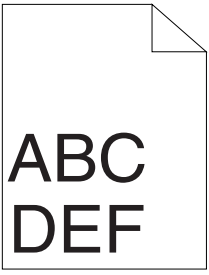
Action		Yes	No
3b	Load the envelope long edge feed in the MPF with the flap open and facing up. For details, see "When Loading Envelope#10, DL, or Monarch" on page 170. Is the problem recovered?	The task is complete.	Go to action 4b.
4a	Load the envelope in the MPF with the flap open and facing up. For details, see "When Loading C5" on page 171. Is the problem recovered?	The task is complete.	Contact Dell.
4b	Use a different size envelope. Is the problem recovered?	The task is complete.	Contact Dell.

The top margins is incorrect



Action		Yes	No
1	Ensure that the margins are set correctly on the application being used. Is the problem recovered?	The task is complete.	Contact Dell.

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Color registration is out of alignment

Action	Yes	No
1 Execute auto color registration adjustment. **1** Launch the Tool Box, and click **Color Registration Adjustment** on the **Printer Maintenance** tab. **2** Click the **Start** button next to **Auto Correct**. Is the problem recovered?	The task is complete.	Go to action 2.
2 Clean the CTD sensor. **1** Clean the CTD sensor. See "Cleaning the Color Toner Density (CTD) Sensor" on page 269. **2** Launch the Tool Box, and click **Color Registration Adjustment** on the **Printer Maintenance** tab. **3** Click the **Start** button next to **Auto Correct**. Is the problem recovered?	The task is complete.	Go to action 3.

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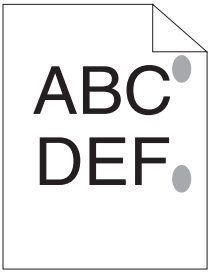
Action	Yes	No
3 Print the Color Registration Chart and manually correct the color registration. **1** Click **Color Registration Adjustment** on the **Printer Maintenance** tab. **2** Click the **Start** button next to **Color Regi Chart**. The color registration chart is printed. **3** Adjust till all straight lines are at the value of 0. See "Adjusting Color Registration" on page 270 for details. **4** Click the **Apply New Settings** button. **5** Click the **Start** button next to **Color Regi Chart** to print the Color Registration Chart again. Is the problem recovered?	The task is complete.	Contact Dell.

Protrudent / Bumpy paper



Action	Yes	No
1 Clean up the fuser unit. **1** Load one sheet of paper on the MPF, and then print a solid image all over paper. **2** Load the printed sheet with the side to be printed on facing down, and then print a blank sheet of paper. Is the problem recovered?	The task is complete.	Contact Dell.

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Noise

NOTE: In this section, some procedures that use the Tool Box can also be performed using the operator panel or **Dell Printer Configuration Web Tool**. For information on how to use the operator panel and Dell Configuration Web Tool, see "Understanding the Printer Menus" on page 215 and "Dell Printer Configuration Web Tool" on page 109.

Action	Yes	No
1 Locate the cause of the problem by removing the toner cartridges. **1** Remove the toner cartridges. See "Replacing Toner Cartridges" on page 263. **2** Launch the Tool Box, and click **Machine Check** on the **Diagnosis** tab. **3** Select **Main Motor Operation Check** from the drop-down list box, and click the **Start** button. **4** Click the **Play of Sound** button to check the motor sound. Does the noise generated from the printer match with the noise from the **Play of Sound** button?	Contact Dell.	Go to action 2.

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Action		Yes	No
2	**1** Click **Machine Check** on the **Diagnosis** tab. **2** Select **Dispense Motor Check (Yellow)**, **Dispense Motor Check (Magenta)**, **Dispense Motor Check (Cyan)**, or **Dispense Motor Check (Black)** from the drop-down list box, and click the **Start** button. **3** Click the **Play of Sound** button to check the motor sound. **4** Repeat steps 1 and 2 to perform Dispense Motor Check for the rest of the toner cartridges. **NOTE:** You can perform Dispense Motor Check for CMYK in any order you desire. **NOTE:** Do not check the operation of the dispense motor repeatedly. Does the noise generated from the printer match with the noise from the **Play of Sound** button?	Contact Dell.	Go to action 3.
3	**1** Reinstall the toner cartridges. **2** Perform action 2 again. Does the noise generated from the printer match with the noise from the **Play of Sound** button?	Contact Dell.	The task is complete.

Jam

NOTE: In this section, some procedures that use the Tool Box can also be performed using the operator panel or Dell Printer Configuration Web Tool. For information on how to use the operator panel and **Dell Configuration Web Tool**, see "Understanding the Printer Menus" on page 215 and "Dell Printer Configuration Web Tool" on page 109.

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Misfeed jam

Action		Yes	No
1	Remove the paper from the PSI, and then ensure that papers are properly inserted on the MPF. Is the problem recovered?	The task is complete.	Proceed to the action corresponding to the type of the print media being used: • Thick - 2a • Thin - 2b • Envelope - 2c If performing manual duplex printing, go to action 2d. If using paper other than the above or if not performing duplex printing, go to action 2e.
2a	Use thick paper that is 216 gsm or less. Is the problem recovered?	The task is complete.	Go to action 3a.
2b	Use thin paper that is 60 gsm or more. Is the problem recovered?	The task is complete.	Go to action 3a.
2c	Ensure that the envelope is properly loaded in the MPF as instructed in "Loading Envelopes in the Multipurpose Feeder (MPF)" on page 170. Is the problem recovered?	The task is complete.	Go to action 3b.
2d	Ensure that the print media is not curled. Is the problem recovered?	The task is complete.	Go to action 3a.

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Action		Yes	No
2e	Is the print media damp?	Go to action 3c.	Go to action 3a.
3a	Fan the print media. Is the problem recovered?	The task is complete.	Go to action 3b.
3b	If the envelope is deformed, correct it or use another envelope. Is the problem recovered?	The task is complete.	Go to action 3a.
3c	Turn over the print media. Is the problem recovered?	The task is complete.	Go to action 4.
4	Use print media that is not damp. Is the problem recovered?	The task is complete.	Contact Dell.

Multi-feed jam

Action		Yes	No
1	Remove the paper from the PSI, and then ensure that papers are inserted properly in the MPF. Is the problem recovered?	The task is complete.	Go to action 2.
2	Is the print media damp?	Go to action 3a.	Go to action 3b.
3a	Use print media that is not damp. Is the problem recovered?	The task is complete.	Go to action 3b.
3b	Fan the print media. Is the problem recovered?	The task is complete.	Contact Dell.

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Other Problems

Problem	Action
Condensation has occurred inside the printer.	This usually occurs within several hours after you heat the room in winter. This also occurs when the printer is operating in a location where relative humidity reaches 85% or more. Adjust the humidity or relocate the printer to an appropriate environment.

Contacting Service

When you call for printer service, be prepared to describe the problem you are experiencing or the error message on the display.

You need to know the model of your printer type and serial number. See the label located inside the side door of your printer.

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Appendix

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B

Appendix

Dell Technical Support Policy

Technician-assisted technical support requires the cooperation and participation of the customer in the troubleshooting process and provides for restoration of the operating system, software program and hardware drivers to the original default configuration as shipped from Dell, as well as the verification of appropriate functionality of the printer and all Dell-installed hardware. In addition to this technician assisted technical support, online technical support is available at Dell Support. Additional technical support options may be available for purchase.

Dell provides limited technical support for the printer and any Dell-installed software and peripherals. Support for third-party software and peripherals is provided by the original manufacturer, including those purchased and/or installed through Software & Peripherals (DellWare), ReadyWare, and Custom Factory Integration (CFI/DellPlus).

Online Services

You can learn about Dell products and services on the following websites:

www.dell.com

www.dell.com/ap (Asian/Pacific countries only)

www.dell.com/jp (Japan only)

www.euro.dell.com (Europe only)

www.dell.com/la (Latin American and Caribbean countries)

www.dell.ca (Canada only)

You can access Dell Support through the following websites and e-mail addresses:

- Dell Support websites

  support.dell.com

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support.euro.dell.com (Europe only)

- Dell Support e-mail addresses

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  support@us.dell.com

  la-techsupport@dell.com (Latin America and Caribbean countries only)

  apsupport@dell.com (Asian/Pacific countries only)

- Dell Marketing and Sales e-mail addresses

  apmarketing@dell.com (Asian/Pacific countries only)

  sales_canada@dell.com (Canada only)

- Anonymous file transfer protocol (FTP)

  ftp.dell.com

  Log in as user: `anonymous`, and use your e-mail address as your password.

Warranty and Return Policy

Dell Computer Corporation ("Dell") manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. For information about the Dell warranty for your printer, see **support.dell.com**.

Recycling Information

It is recommended that customers dispose of their used computer hardware, monitors, printers, and other peripherals in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products, components, and/or materials.

For specific information on Dell's worldwide recycling programs, see **www.dell.com/recyclingworldwide**.

Contacting Dell

For customers in the United States, call 800-WWW-Dell (800-999-3355).

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, in your Dell catalog.

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Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit **support.dell.com**.
2. Verify your country or region in the **Choose A Country/Region** drop-down menu at the bottom of the page.
3. Click **Contact Us** on the left side of the page.
4. Select the appropriate service or support link based on your need.
5. Choose the method of contacting Dell that is convenient for you.

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